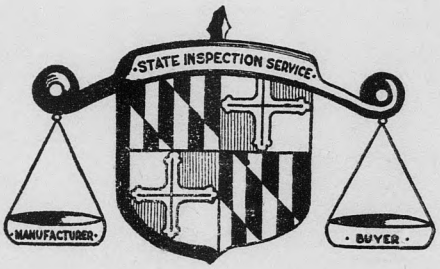
166-176 166 mag

Control Series—Published Quarterly August Issue, 1938—No. 167

Commercial Fertilizers, Commercial Feeds

and

Agricultural Liming Materials



STATE INSPECTION SERVICE
Controlled by
UNIVERSITY OF MARYLAND
College Park, Md.

ENTERED AT COLLEGE PARK (MD.) POST-OFFICE AS SECOND-CLASS MATTER

S
639
.M4
no. 167-76
cop. 2

GENERAL INDEX

Page

Introduction 3

Fertilizer Analyses 5

Feed Analyses 40

Dog Feeds 116

Mineral Feeds 122

Lime Analyses 125

INTRODUCTION

For many years the State of Maryland has had on its statute books laws that govern the manufacture and sale of fertilizers, feeds, and agricultural liming materials. The State Inspection Service is charged with the responsibility of administering the various provisions of these laws. These duties consist of annual registration of different brands, sampling of products in the field, analyzing in the laboratory, publishing of results, and prosecution of violators.

Feeds, fertilizers, and agricultural liming materials are purchased for the results they produce, and results depend upon chemical composition as well as the quality and quantity of the ingredients that are blended into the finished product. Since quality and composition can be ascertained only by careful laboratory analysis, the State Inspection Service makes such analyses and publishes its findings for the information of the public. In this way the farmer is kept advised regarding the products offered to him for sale, and the manufacturer periodically can check his guaranteed analysis against those published in these bulletins.

The regulatory laws of Maryland, then, serve and protect both manufacturer and consumer. The consumer may buy fertilizer, feed, and lime on the basis of the manufacturers' statement on the package, knowing that if the statement is not correct he is entitled to redress. The manufacturer, in turn, may sell his product and guarantee its analysis knowing that his competitor must follow the same procedure. This service has removed suspicion and rewarded honestly. It has built confidence in the mind of the farmer toward the manufacturer, as well as fostering a feeling of confidence between the manufacturers themselves. The individuals who administer the regulatory laws do so in a spirit of mutual responsibility and helpfulness, and from this attitude much good has been accomplished.

191643

FERTILIZER ANALYSES

A detailed table showing results obtained in the examination of fertilizers from January 1, 1938, to July 1, 1938, is given on pages 5 to 37, inclusive.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The American Agricultural Chemical Co., Baltimore, Md. (Continued)													
AA Early Trucker Fertilizer 4-8-5	Baltimore	4.00	**3.96**	3.20	**3.09**	.80	**.87**	**1.00**	8.00	**9.20**	5.00	**5.28**	**184** A
AA Early Trucker Fertilizer 4-8-5	Baltimore	4.00	**3.88**	3.20	**3.03**	.80	**.85**	**1.30**	8.00	**8.30**	5.00	**5.20**	**171** A
AA Climax Fertilizer 3-12-6	Baltimore	3.00	**3.05**	2.25	**2.33**	.75	**.72**	**1.30**	12.00	**12.10**	6.00	**6.36**	**181** A
Agrico for Tomatoes 3-12-6	Baltimore	3.00	**2.99**	2.25	**2.42**	.75	**.57**	**1.90**	12.00	**12.10**	6.00	**6.28**	**86** A
Agrico for Tomatoes 3-12-6	Baltimore	3.00	**3.00**	2.25	**2.15**	.75	**.85**	**1.30**	12.00	**12.00**	6.00	**6.20**	**99** A
Agrico for Tomatoes 3-12-6	Baltimore	3.00	**3.03**	2.25	**2.39**	.75	**.64**	**1.30**	12.00	**12.10**	6.00	**6.44**	**140** A
Agrico for Corn 3-12-6	Baltimore	3.00	**3.00**	2.25	**2.33**	.75	**.67**	**2.10**	12.00	**12.10**	6.00	**6.42**	**101** A
Agrico for Corn 3-12-6	Baltimore	3.00	**3.12**	2.25	**2.36**	.75	**.76**	**1.30**	12.00	**12.10**	6.00	**6.44**	**83** A
AA Calvert Tobacco Fertilizer Sulphate 3-8-15	Baltimore	3.00	**3.10**	2.25	**2.25**	.75	**.85**	**.60**	8.00	**8.50**	15.00	**15.30**	**173** A
Agrico for Tobacco Sulphate 3-8-15	Baltimore	3.00	**3.12**	2.25	**2.36**	.75	**.76**	**.20**	8.00	**9.00**	15.00	**15.24**	**149** A
Agrico for Tobacco Sulphate 3-8-15	Baltimore	3.00	**2.99**	2.25	**2.43**	.75	**.56**	**.80**	8.00	**8.60**	15.00	**15.06**	**85** A
Agrico for Sweet Potatoes 3-8-10	Baltimore	3.00	**3.00**	2.25	**2.08**	.75	**.92**	**.80**	8.00	**8.50**	10.00	**10.46**	**55** A
AA Horse Shoe Fertilizer 2-12-6	Baltimore	2.00	**2.04**	1.50	**1.41**	.50	**.63**	**1.20**	12.00	**12.30**	6.00	**6.36**	**52** A
AA Farmers Friend Fertilizer 2-12-4	Baltimore	2.00	**2.04**	1.50	**1.59**	.50	**.45**	**1.60**	12.00	**12.40**	4.00	**4.30**	**103** A
AA Farmers Friend Fertilizer 2-12-4	Baltimore	2.00	**2.05**	1.50	**1.38**	.50	**.67**	**1.30**	12.00	**12.10**	4.00	**4.22**	**95** A
AA Farmers Friend Fertilizer 2-12-4	Baltimore	2.00	**1.98**	1.50	**1.36**	.50	**.62**	**1.40**	12.00	**12.20**	4.00	**4.34**	**75** A
Agrico for Grain 2-12-4	Baltimore	2.00	**2.06**	1.50	**1.49**	.50	**.57**	**1.00**	12.00	**12.80**	4.00	**4.34**	**47** A
Agrico for Grain 2-12-4		2.00	**2.04**	1.50	**1.54**	.50	**.50**	**2.10**	12.00	**12.10**	4.00	**4.34**	**53** B
Listers Harvest Queen Fertilizer 2-9-5	Baltimore	2.00	**2.05**	1.50	**1.40**	.50	**.65**	**1.10**	9.00	**9.10**	5.00	**5.20**	**69** A
AA Red Dog Fertilizer 2-9-5	Baltimore	2.00	**1.99**	1.50	**1.46**	.50	**.53**	**1.50**	9.00	**9.10**	5.00	**5.04**	**78** A
AA Red Dog Fertilizer 2-9-5	Baltimore	2.00	**2.06**	1.50	**1.49**	.50	**.57**	**1.00**	9.00	**9.60**	5.00	**5.12**	**117** A
AA Red Dog Fertilizer 2-9-5	Baltimore	2.00	**1.97**	1.50	**1.40**	.50	**.57**	**1.10**	9.00	**9.10**	5.00	**5.04**	**106** A
AA Silk Leaf Tobacco Fertilizer Sulphate 2-8-10	Baltimore	2.00	**2.11**	1.50	**1.40**	.50	**.71**	**.80**	8.00	**9.00**	10.00	**10.20**	**103** A
AA Old Hickory Fertilizer 2-8-10	Baltimore	2.00	**1.90**	1.50	**1.38**	.50	**.52**	**1.20**	8.00	**8.10**	10.00	**10.50**	**97** A
AA Old Hickory Fertilizer 2-8-10	Baltimore	2.00	**2.05**	1.50	**1.59**	.50	**.46**	**1.30**	8.00	**8.10**	10.00	**10.08**	**75** A
AA Old Hickory Fertilizer 2-8-10	Baltimore	2.00	**2.01**	1.50	**1.45**	.50	**.56**	**1.00**	8.00	**8.00**	10.00	**10.64**	**45** A
AA Neptune Fish Brand Fertilizer 1-10-5	Baltimore	1.00	**1.10**	.75	**.65**	.25	**.45**	**1.00**	10.00	**10.50**	5.00	**5.04**	**8** B
AA Neptune Fish Brand Fertilizer 1-10-5	Baltimore	1.00	**1.04**	.75	**.77**	.25	**.27**	**.70**	10.00	**10.50**	5.00	**5.38**	**12** A
Pure Raw Bone 3.70-TPA. 20-0	Baltimore	3.70	**3.72**	.....	.....	.....	.....	.....	*20.00	***25.90**	.....	.....	.....
The American Agricultural Chemical Co., Baltimore, Md.													
AA Slingluff's 10% Top Dresser Sulphate													

Pure Raw Bone 3.70-TPA. 20-0	Baltimore	3.70	**3.72**						*20.00	*25.90			

The American Agricultural Chemical Co., Baltimore, Md.													
AA Slingluff's 10% Top Dresser Sulphate 10-5-2	Owings	10.00	**9.99**	9.00	**8.85**	1.00	**1.14**	**.50**	5.00	**5.50**	2.00	**2.50**	**786** A
AA Slingluff's 10% Top Dresser Sulphate 10-5-2	Waldorf	10.00	**10.11**	9.00	**9.04**	1.00	**1.07**	**.40**	5.00	**5.40**	2.00	**2.24**	**747** A
AA Slingluff's 10% Top Dresser Sulphate 10-5-2	Baltimore	10.00	**9.99**	9.00	**8.92**	1.00	**1.07**	**.40**	5.00	**5.40**	2.00	**2.24**	**763** A
AA Slingluff's 10% Top Dresser Sulphate 10-5-2	Baltimore	10.00	**9.99**	9.00	**8.85**	1.00	**1.14**	**.50**	5.00	**5.40**	2.00	**2.16**	**766** A
AA Tobacco Plant Bed Fertilizer Sulphate 8-5-2	Waldorf	8.00	**8.08**	7.20	**7.29**	.80	**.79**	**.40**	5.00	**5.30**	2.00	**2.34**	**584** A
AA Tobacco Plant Bed Fertilizer Sulphate 8-5-2	Baltimore	8.00	**8.01**	7.20	**6.85**	.80	**1.16**	**.50**	5.00	**5.40**	2.00	**2.32**	**565** A
AA Tobacco Plant Bed Fertilizer Sulphate 8-5-2	Baltimore	8.00	**8.00**	7.20	**6.85**	.80	**1.15**	**.40**	5.00	**5.60**	2.00	**2.48**	**602** A
AA Tobacco Bed Fertilizer Sulphate 6-6-8	Waldorf	6.00	**6.12**	5.40	**5.29**	.60	**.83**	**.80**	6.00	**6.00**	8.00	**8.20**	**407** A
AA Tobacco Bed Fertilizer Sulphate 6-6-8	Baltimore	6.00	**6.28**	5.40	**5.50**	.60	**.78**	**.50**	6.00	**6.40**	8.00	**8.00**	**433** A
Detrick's Gold Basis Fertilizer 6-6-5	Salisbury	6.00	**5.70**	3.60	**3.42**	2.40	**2.28**	**.70**	6.00	**6.40**	5.00	**5.38**	8 A
AA Trucker's Favorite 6-6-5	Baltimore	6.00	**6.12**	4.50	**4.73**	1.50	**1.39**	**.80**	6.00	**6.80**	5.00	**5.30**	**277** A
AA Trucker's Favorite 6-6-5	Baltimore	6.00	**6.07**	4.50	**4.73**	1.50	**1.34**	**.80**	6.00	**6.40**	5.00	**5.28**	**325** A
AA Trucker's Favorite 6-6-5	Baltimore	6.00	**5.97**	4.50	**4.64**	1.50	**1.33**	**.60**	6.00	**6.60**	5.00	**5.35**	**245** A
Agrico for Truck 5-10-5	Baltimore	5.00	**5.08**	4.00	**4.32**	1.00	**.76**	**1.40**	10.00	**10.70**	5.00	**5.35**	**226** A
Agrico for Truck 5-10-5	Baltimore	5.00	**4.98**	4.00	**3.96**	1.00	**1.02**	**1.30**	10.00	**10.20**	5.00	**5.40**	**230** A
Agrico for Tobacco Sulphate 5-8-12	Baltimore	5.00	**4.84**	4.00	**3.82**	1.00	**1.02**	**.80**	8.00	**8.80**	12.00	**12.26**	**361** A
Agrico for Tobacco Sulphate 5-8-12	Baltimore	5.00	**5.00**	4.00	**3.93**	1.00	**1.07**	**.80**	8.00	**8.60**	12.00	**12.26**	**227** A
AA Prince George Tobacco Fertilizer Sulphate 4-8-12	Baltimore	4.00	**4.06**	3.20	**3.14**	.80	**.92**	**.70**	8.00	**9.00**	12.00	**12.42**	**270** A
AA Red Leaf Tobacco Fertilizer Sulphate 4-8-10	Baltimore	4.00	**4.13**	3.20	**3.20**	.80	**.93**	**.80**	8.00	**8.90**	10.00	**10.36**	**285** A
AA Red Leaf Tobacco Fertilizer Sulphate 4-8-10	Baltimore	4.00	**4.00**	3.20	**3.24**	.80	**.76**	**.60**	8.00	**8.30**	10.00	**10.40**	**225** A
Agrico for Potatoes 4-8-7	Baltimore	4.00	**4.02**	3.20	**3.06**	.80	**.96**	**.90**	8.00	**8.20**	7.00	**7.16**	**114** A
Agrico for Potatoes 4-8-7	Baltimore	4.00	**3.97**	3.20	**3.24**	.80	**.73**	**1.20**	8.00	**8.10**	7.00	**7.22**	**121** A
Agrico for Potatoes 4-8-7	Baltimore	4.00	**4.00**	3.20	**3.29**	.80	**.71**	**1.10**	8.00	**8.40**	7.00	**7.22**	**119** A
AA Gladiator Fertilizer 4-8-7	Baltimore	4.00	**3.86**	3.20	**3.07**	.80	**.79**	**1.20**	8.00	**9.00**	7.00	**6.99**	**187** A
AA Gladiator Fertilizer 4-8-7	Baltimore	4.00	**3.98**	3.20	**3.15**	.80	**.83**	**1.30**	8.00	**8.60**	7.00	**7.20**	**194** A
AA Golden Leaf Tobacco Fertilizer Sulphate 4-8-7	Baltimore	4.00	**4.07**	3.20	**3.27**	.80	**.80**	**.70**	8.00	**8.90**	7.00	**7.40**	**280** A
AA Golden Leaf Tobacco Fertilizer Sulphate 4-8-7	Baltimore	4.00	**4.02**	3.20	**3.23**	.80	**.79**	**.60**	8.00	**8.50**	7.00	**7.40**	**226** A
AA Early Trucker Fertilizer 4-8-5	Baltimore	4.00	**3.96**	3.20	**3.16**	.80	**.80**	**1.00**	8.00	**8.70**	5.00	**5.36**	**194** A

‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Acme Guano Co., Baltimore, Md.													
Acme 6-6-5	Vienna	6.00	**6.04**	4.80	**4.80**	1.20	**1.24**	**1.30**	6.00	**5.60**	5.00	**5.12**	**398 A**
Acme 6-6-5	Hurlock	6.00	**5.97**	4.80	**5.05**	1.20	**.92**	**.60**	6.00	**6.30**	5.00	**5.44**	**405 A**
Acme 6-6-5	Vienna	6.00	**5.97**	4.80	**4.86**	1.20	**1.11**	**.50**	6.00	**6.00**	5.00	**5.41**	**462 A**
Acme 5-10-5	Vienna	5.00	**5.25**	4.00	**4.42**	1.00	**.83**	**.80**	10.00	**10.00**	5.00	**5.90**	**405 A**
Acme 5-8-12	Hurlock	5.00	**5.08**	4.00	**4.32**	1.00	**.76**	**.40**	8.00	**8.10**	12.00	**12.34**	**357 A**
Acme 5-8-12	Vienna	5.00	**5.00**	4.00	**4.11**	1.00	**.89**	**.60**	8.00	**8.70**	12.00	**11.42**	**401 A**
Acme 4-8-7	Hurlock	4.00	**4.14**	3.20	**3.38**	.80	**.76**	**1.00**	8.00	**7.80**	7.00	**7.28**	**311 A**
Acme 4-8-7	Vienna	4.00	**3.99**	3.20	**3.30**	.80	**.69**	**1.00**	8.00	**8.10**	7.00	**7.40**	**65 A**
Acme 4-8-7	New Windsor	4.00	**4.11**	3.20	**3.29**	.80	**.82**	**.90**	8.00	**8.40**	7.00	**7.37**	**277 A**
Acme 4-8-7	Reisterstown	4.00	**4.13**	3.20	**3.44**	.80	**.69**	**.90**	8.00	**8.10**	7.00	**7.50**	**317 A**
Acme 4-8-7	Baltimore	4.00	**4.03**	3.20	**3.30**	.80	**.73**	**.60**	8.00	**8.00**	7.00	**7.96**	**276 A**
Acme 4-8-7	Vienna	4.00	**4.09**	3.20	**3.30**	.80	**.79**	**.70**	8.00	**8.00**	7.00	**7.52**	**271 A**
Acme 3-12-6	Vienna	3.00	**3.12**	2.40	**2.50**	.60	**.62**	**.90**	12.00	**12.30**	6.00	**7.14**	**201 A**
Acme 3-8-10	Reisterstown	3.00	**3.02**	2.40	**2.49**	.60	**.53**	**.60**	8.00	**8.60**	10.00	**10.40**	**260 A**
Acme 3-8-10	Hurlock	3.00	**3.03**	2.40	**2.49**	.60	**.54**	**.60**	8.00	**8.10**	10.00	**10.24**	**170 A**
Acme 3-8-10	Vienna	3.00	**3.38**	2.40	**2.85**	.60	**.53**	**.60**	8.00	**8.10**	10.00	**10.32**	**243 A**
Acme 2-12-4	Hurlock	2.00	**2.06**	1.60	**1.57**	.40	**.49**	**1.30**	12.00	**11.70**	4.00	**4.20**	**6 A**
Acme 2-9-5	Reisterstown	2.00	**2.05**	1.60	**1.61**	.40	**.44**	**.80**	9.00	**9.00**	5.00	**5.20**	**181 A**
Acme 2-9-5	New Windsor	2.00	**2.04**	1.60	**1.82**	.40	**.22**	**.70**	9.00	**10.70**	5.00	**5.60**	**78 A**
Acme 2-9-5	Hampstead	2.00	**2.12**	1.60	**1.60**	.40	**.52**	**.50**	9.00	**9.30**	5.00	**6.05**	**25 A**
Acme 2-9-5	Vienna	2.00	**1.98**	1.60	**1.73**	.40	**.25**	**.40**	9.00	**9.00**	5.00	**4.96**	**107 A**
Acme 2-8-10	Hurlock	2.00	**2.06**	1.60	**1.61**	.40	**.45**	**.70**	8.00	**7.80**	10.00	**10.00**	**181 B**
Acme 2-8-10	Vienna	2.00	**2.13**	1.60	**1.63**	.40	**.50**	**1.00**	8.00	**7.60**	10.00	**10.56**	**161 B**
‡Acme Sulphate of Ammonia	Vienna	20.50	**20.48**										
Acme 0-10-10	Vienna							**.30**	10.00	**10.20**	10.00	**10.40**	
‡Acme 0-10-10	Vienna							**.60**	10.00	**9.50**	10.00	**10.48**	
‡Acme Superphosphate 0-20-0	Reisterstown							**1.30**	20.00	**18.20**			
Fine Ground Bone 2.47-TPA. 23-0	Cumberland	2.47	**2.60**						*23.00	***24.30**			
Fine Ground Bone 2.47-TPA. 23-0	Baltimore	2.47	**2.72**						*23.00	***25.50**			
Pulverized Sheep and Goat Manure													

Fine Ground Bone 2.47-TPA. 23-0	Cumberland	2.47	**2.60**						*23.00	*24.30			
Fine Ground Bone 2.47-TPA. 23-0	Baltimore	2.47	**2.72**						*23.00	*25.50			
Pulverized Sheep and Goat Manure 1.25-TPA. 1-2	Cumberland	1.25	**1.71**						*1.00	*1.50	2.00	**3.73**	
Pulverized Sheep and Goat Manure 1.25-TPA. 1-2	Baltimore	1.25	**1.52**						*1.00	*1.40	2.00	**3.65**	
Sulphate of Ammonia 20.50-0-0	Baltimore	20.50	**20.54**										
AA Superphosphate 0-20-0	Baltimore							1.20	20.00	**20.80**			
AA Superphosphate 0-16-0	Baltimore							1.40	16.00	**17.60**			
AA Superphosphate 0-16-0	Baltimore							2.20	16.00	**16.30**			
AA Basic Lime Phosphate 0-16-0	Baltimore							1.80	16.00	**16.20**			
AA Basic Lime Phosphate 0-16-0	Baltimore							2.10	16.00	**15.80**			
Muriate of Potash 0-0-50	Baltimore										50.00	**51.20**	
American Cyanamid Co., New York, N. Y.													
"Aero" Cyanamid Granular 21-0-0	Baltimore	21.00	**21.02**										
Armour Fertilizer Works, Baltimore, Md.													
Armour's Special Top Dresser 10-5-2	Baltimore	10.00	**9.98**	9.00	**8.95**	1.00	**1.03**	.30	5.00	**5.40**	2.00	**2.20**	190 A
Armour's Special Top Dresser 10-5-2	Baltimore	10.00	**10.12**	9.00	**9.31**	1.00	**.81**	.40	5.00	**5.10**	2.00	**2.28**	157 A
Armour's Special Top Dresser 8-5-2	Baltimore	8.00	**8.18**	7.20	**7.05**	.80	**1.13**	.50	5.00	**5.50**	2.00	**2.60**	161 A
Armour's Big Crop Fertilizer 6-6-5	Baltimore	6.00	**5.59**	3.60	**3.30**	2.40	**2.29**	.90	6.00	**6.10**	5.00	**5.02**	150 A
Armour's Big Crop Fertilizer 6-6-5	Baltimore	6.00	**5.97**	3.60	**3.52**	2.40	**2.45**	.50	6.00	**6.40**	5.00	**5.20**	112 A
Armour's Big Crop Fertilizer 6-6-5	Baltimore	6.00	**6.54**	3.60	**3.42**	2.40	**2.26**	.40	6.00	**6.40**	5.00	**5.04**	77 A
Armour's Big Crop Fertilizer 5-8-12	Baltimore	5.00	**4.97**	3.75	**3.39**	1.25	**1.58**	.40	8.00	**8.40**	12.00	**12.44**	63 A
Armour's Big Crop Fertilizer 4-12-10	Mt. Lake Park	4.00	**3.78**	3.20	**2.89**	.80	**.89**	.60	12.00	**12.80**	10.00	**10.34**	167 A
Armour's Big Crop Fertilizer 4-12-4	Baltimore	4.00	**4.06**	3.00	**2.84**	1.00	**1.22**	.80	12.00	**12.20**	4.00	**4.42**	53 A
Armour's Big Crop Fertilizer 4-8-10	Baltimore	4.00	**3.89**	2.80	**2.77**	1.20	**1.12**	.30	8.00	**8.60**	10.00	**10.20**	7 B
Armour's Big Crop Fertilizer 4-8-10	Baltimore	4.00	**3.93**	2.80	**2.69**	1.20	**1.24**	.50	8.00	**8.00**	10.00	**10.50**	1 B
Armour's Big Crop Fertilizer 4-8-8	Baltimore	4.00	**3.96**	2.80	**2.59**	1.20	**1.37**	.30	8.00	**8.30**	8.00	**8.54**	35 A
Armour's Big Crop Fertilizer 4-8-7	Baltimore	4.00	**4.04**	2.80	**2.82**	1.20	**1.22**	.30	8.00	**8.30**	7.00	**7.38**	88 A
Armour's Big Crop Fertilizer 4-8-7	Baltimore	4.00	**3.97**	2.80	**2.71**	1.20	**1.26**	.40	8.00	**8.60**	7.00	**7.22**	98 A
Armour's Big Crop Fertilizer 4-8-5	Baltimore	4.00	**3.99**	2.80	**2.66**	1.20	**1.33**	.30	8.00	**8.70**	5.00	**5.60**	56 A
Armour's Big Crop Fertilizer 3-12-6	Baltimore	3.00	**3.03**	2.10	**1.86**	.90	**1.17**	.40	12.00	**12.00**	6.00	**6.75**	44 A
Armour's Big Crop Fertilizer 3-12-6	Baltimore	3.00	**3.02**	2.10	**1.88**	.90	**1.14**	1.00	12.00	**12.10**	6.00	**6.44**	1 A
Armour's Big Crop Fertilizer 3-8-10	Baltimore	3.00	**3.10**	2.10	**1.97**	.90	**1.13**	.40	8.00	**8.20**	10.00	**10.50**	3 B
Armour's Big Crop Fertilizer 3-8-10	Baltimore	3.00	**3.02**	2.10	**1.83**	.90	**1.19**	.50	8.00	**8.30**	10.00	**10.34**	7 A
Armour's Big Crop Fertilizer 3-8-10	Baltimore	3.00	**2.99**	2.10	**1.85**	.90	**1.14**	.50	8.00	**8.00**	10.00	**10.48**	34 B
Armour's Big Crop Fertilizer 2-12-6	Baltimore	2.00	**1.97**	1.40	**1.15**	.60	**.82**	.60	12.00	**12.50**	6.00	**6.42**	12 A
Armour's Big Crop Fertilizer 2-9-5	Baltimore	2.00	**1.87**	1.40	**.94**	.60	**.93**	.50	9.00	**9.30**	5.00	**4.96**	6 A
Armour's Big Crop Fertilizer 2-9-5	Baltimore	2.00	**1.84**	1.40	**1.04**	.60	**.80**	.40	9.00	**9.60**	5.00	**5.20**	48 B
Armour's Big Crop Fertilizer 2-8-10	Baltimore	2.00	**2.02**	1.40	**1.29**	.60	**.73**	.40	8.00	**8.30**	10.00	**11.00**	12 B

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Armour Fertilizer Works, Baltimore, Md. (Continued)													
Armour's Big Crop Fertilizer 2-8-10	Baltimore	2.00	**1.85**	1.40	**1.12**	.60	**.73**	**.40**	8.00	**8.30**	10.00	**10.40**	8 B
Armour's Big Crop Fertilizer 2-8-10	Baltimore	2.00	**2.02**	1.40	**1.29**	.60	**.73**	**.30**	8.00	**8.30**	10.00	**10.40**	34 B
‡Pure Ground Fish 9-0-0	Baltimore	9.00	**8.46**										
‡Armour's Ground Tankage 6-0-0	Ellicott City	6.00	**6.12**										
Armour's Raw Bone Meal 3.70-TPA. 20.50-0	Ellicott City	3.70	**3.80**						*20.50	**22.60**			
Armour's Bone Meal 2.47-TPA. 23-0	Ellicott City	2.47	**2.57**						*23.00	***23.50**			
Armour's Sheep and Goat Manure 1.25-TPA. 1-2	Baltimore	1.25	**1.81**						*1.00	***2.30**	2.00	**4.06**	
Armour's Sheep and Goat Manure 1.25-TPA. 1-2	Baltimore	1.25	**1.68**						*1.00	***1.90**	2.00	**3.80**	
Armour's Big Crop Fertilizer 0-14-6	Baltimore							**.80**	14.00	**14.00**	6.00	**6.20**	
Armour's Big Crop Fertilizer 0-14-6	Baltimore							**.90**	14.00	**13.70**	6.00	**6.25**	
‡Armour's Big Crop Fertilizer 0-12-5	Baltimore							**1.10**	12.00	**11.80**	5.00	**5.04**	
Armour's Big Crop Superphosphate 0-20-0	Baltimore							**1.00**	20.00	**20.40**			
Armour's Big Crop Superphosphate 0-20-0	Baltimore							**.90**	20.00	**20.50**			
Armour's Big Crop Superphosphate 0-16-0	Baltimore							**.70**	16.00	**16.00**			
Armour's Big Crop Superphosphate 0-16-0	Baltimore							**.90**	16.00	**16.00**			
Armour's Big Crop Superphosphate 0-16-0	Baltimore							**.70**	16.00	**16.10**			
Armour's Muriate of Potash 0-0-50	Baltimore										50.00	**50.00**	
Armour's Kainit 0-0-20	Baltimore										20.00	**22.40**	
Armour's Kainit 0-0-20	Baltimore										20.00	**22.96**	
Associated Chemical Co., Baltimore, Md.													
‡Pure Raw Bone 3.70-TPA 20-0	Hancock	3.70	**3.68**						*20.00	***21.60**			
Associated Fertilizer Merchants, Inc., Baltimore, Md.													
Lawn and Garden Fertilizer 6-6-5	Baltimore	6.00	**5.70**	3.60	**3.54**	2.40	**2.16**	**.50**	6.00	**6.90**	5.00	**5.28**	108 B
4-8-7	Baltimore	4.00	**4.16**	3.40	**3.40**	.60	**.76**	**.50**	8.00	**8.60**	7.00	**7.20**	258 A
‡4-8-5	Baltimore	4.00	**3.78**	3.40	**3.23**	.60	**.55**	**.70**	8.00	**9.20**	5.00	**6.52**	200 A
‡3-12-6	Baltimore	3.00	**2.81**	2.55	**2.06**	.45	**.75**	**1.30**	12.00	**12.50**	6.00	**6.40**	152 A
3-12-6	Baltimore	3.00	**3.31**	2.55	**1.99**	.45	**1.32**	**.50**	12.00	**13.00**	6.00	**6.05**	137 A
2-12-6	Baltimore	2.00	**1.91**	1.70	**1.57**	.30	**.34**	**.70**	12.00	**12.90**	6.00	**6.30**	133 A
2-12-6	Baltimore	2.00	**2.02**	1.70	**1.52**	.30	**.50**	**.60**	12.00	**12.70**	6.00	**6.40**	55 A
2-12-6	Baltimore	2.00	**2.27**	1.70	**1.77**	.30	**.50**	**.70**	12.00	**12.40**	6.00	**6.50**	106 A

3-12-6	Baltimore	3.00	**3.31**	2.55	**1.99**	.45	**1.32**	.50	12.00	**13.00**	6.00	**6.05**	**137** A
2-12-6	Baltimore	2.00	**1.91**	1.70	**1.57**	.30	**.34**	.70	12.00	**12.90**	6.00	**6.30**	**133** A
2-12-6	Baltimore	2.00	**2.02**	1.70	**1.52**	.30	**.50**	.60	12.00	**12.70**	6.00	**6.40**	**55** A
2-12-6	Baltimore	2.00	**2.27**	1.70	**1.77**	.30	**.50**	.70	12.00	**12.40**	6.00	**6.50**	**106** A
2-9-5	Baltimore	2.00	**2.13**	1.70	**1.40**	.30	**.73**	.70	9.00	**9.10**	5.00	**5.28**	**489** B
2-9-5	Baltimore	2.00	**2.11**	1.70	**1.80**	.30	**.31**	.60	9.00	**9.80**	5.00	**5.30**	**107** A
2-8-10	Baltimore	2.00	**2.13**	1.70	**1.49**	.30	**.64**	.50	8.00	**8.80**	10.00	**10.00**	**335** B
2-8-10	Baltimore	2.00	**1.98**	1.70	**1.36**	.30	**.62**	.40	8.00	**8.60**	10.00	**10.48**	**393** B
‡Steamed Bone Meal 2.47-TPA. 21-0	St. Leonards	2.47	**3.12**						*21.00	*24.30			
‡Sulphate of Ammonia 20.50-0-0	Baltimore	20.50	**20.54**										
Superphosphate 0-20-0	Baltimore							1.30	20.00	**20.70**			
‡Superphosphate 0-16-0	Baltimore							1.10	16.00	**16.70**			
Superphosphate 0-16-0	Baltimore							1.10	16.00	**16.70**			
Baltimore Fertilizer Co., Baltimore, Md.													
Honest Tobacco Bed Guano 8-5-2	La Plata	8.00	**7.84**	7.25	**7.01**	.75	**.83**	.20	5.00	**5.90**	2.00	**2.48**	**591** A
Honest 4-8-7	Bel Air	4.00	**3.99**	3.40	**3.30**	.60	**.69**	.40	8.00	**9.10**	7.00	**7.50**	**308** A
Honest 4-8-7	Glyndon	4.00	**3.85**	3.40	**3.12**	.60	**.73**	.40	8.00	**8.20**	7.00	**7.16**	**13** A
Honest 4-8-5	Glyndon	4.00	**3.51**	3.40	**2.71**	.60	**.80**	.30	8.00	**8.40**	5.00	**5.80**	**1** B
Honest 4-8-5	Glyndon	4.00	**3.80**	3.40	**3.00**	.60	**.80**	.30	8.00	**8.10**	5.00	**5.48**	**160** B
Honest 4-8-5	Baltimore	4.00	**3.89**	3.40	**3.05**	.60	**.84**	.50	8.00	**8.80**	5.00	**5.20**	**278** A
Honest 2-12-6	Fallston	2.00	**2.43**	1.40	**1.83**	.60	**.60**	.80	12.00	**12.00**	6.00	**7.60**	**125** A
Honest 2-12-4	Fallston	2.00	**1.99**	1.40	**1.41**	.60	**.58**	.70	12.00	**12.70**	4.00	**5.40**	**36** A
‡Honest 2-12-4	Glyndon	2.00	**2.01**	1.40	**1.61**	.60	**.40**	.30	12.00	**12.20**	4.00	**4.60**	**34** B
Honest 2-9-5	Bel Air	2.00	**2.01**	1.40	**1.39**	.60	**.62**	.80	9.00	**10.00**	5.00	**6.00**	**80** B
Honest 2-9-5	Glyndon	2.00	**1.99**	1.40	**1.67**	.60	**.32**	.40	9.00	**9.70**	5.00	**5.80**	**87** A
Honest 2-9-5	Glyndon	2.00	**2.27**	1.40	**1.83**	.60	**.44**	.40	9.00	**10.10**	5.00	**5.35**	**83** B
Honest 2-9-5	Baltimore	2.00	**2.04**	1.40	**1.34**	.60	**.70**	.30	9.00	**9.30**	5.00	**5.35**	**59** A
Honest 2-8-10	Bel Air	2.00	**1.80**	1.40	**1.30**	.60	**.50**	.60	8.00	**9.70**	10.00	**10.08**	**4** B
Honest 2-8-10	Glyndon	2.00	**1.92**	1.40	**1.52**	.60	**.40**	.60	8.00	**8.50**	10.00	**10.76**	**111** A
Honest 2-8-10	Glyndon	2.00	**1.91**	1.40	**1.45**	.60	**.46**	.30	8.00	**8.70**	10.00	**10.54**	**98** B
Honest 1-10-5	Bel Air	1.00	**1.46**	.50	**1.07**	.50	**.39**	.60	10.00	**11.70**	5.00	**5.60**	**36** B
The Barrett Co., New York, N. Y.													
Arcadian the American Nitrate of Soda	Baltimore	16.00	**16.08**										
The Baugh & Sons Co., Baltimore, Md.													
Baugh's Plant Bed Fertilizer 10-5-2	Baltimore	10.00	**10.21**	9.00	**8.98**	1.00	**1.23**	.50	5.00	**6.20**	2.00	**2.88**	**773** A
Baugh's Plant Bed Fertilizer 10-5-2	Baltimore	10.00	**9.88**	9.00	**9.16**	1.00	**.72**	.40	5.00	**5.50**	2.00	**2.48**	**819** A
Baugh's Plant Bed Fertilizer 10-5-2	Huntingtown	10.00	**10.06**	9.00	**8.88**	1.00	**1.18**	.40	5.00	**5.80**	2.00	**2.60**	**805** A
Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	8.00	**8.29**	6.80	**6.70**	1.20	**1.59**	.30	5.00	**5.30**	2.00	**2.40**	**600** A
Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	8.00	**8.12**	6.80	**6.81**	1.20	**1.31**	.30	5.00	**5.70**	2.00	**2.32**	**624** A

* Total Phosphoric Acid. ‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Baugh & Sons Co., Baltimore, Md. (Continued)													
Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	**6.01**	5.10	**5.01**	.90	**.99**	**.50**	6.00	**6.40**	8.00	**8.38**	**413** A
Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	**6.01**	5.10	**5.05**	.90	**.96**	**.40**	6.00	**6.10**	8.00	**8.44**	**441** A
‡Baugh's Complete Pasture Fertilizer 6-6-5	Baltimore	6.00	**5.56**	5.10	**4.56**	.90	**1.00**	**.70**	6.00	**7.50**	5.00	**6.29**	**293** A
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	**5.97**	3.60	**3.50**	2.40	**2.47**	**.70**	6.00	**6.70**	5.00	**4.98**	**2** B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	**5.62**	3.60	**3.47**	2.40	**2.15**	**.50**	6.00	**6.80**	5.00	**5.20**	**34** B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	**5.81**	3.60	**3.57**	2.40	**2.24**	**1.00**	6.00	**6.10**	5.00	**5.20**	**3** B
Baugh's 5-8-12	Baltimore	5.00	**4.39**	3.25	**2.98**	1.75	**1.41**	**.60**	8.00	**8.80**	12.00	**11.34**	**29** A
‡Baugh's Colonial Fertilizer for Tobacco 4-8-12	Baltimore	4.00	**4.04**	2.80	**2.95**	1.20	**1.09**	**.60**	8.00	**8.60**	12.00	**12.10**	**166** A
‡Baugh's Colonial Fertilizer for Tobacco 4-8-12	Baltimore	4.00	**3.98**	2.80	**2.99**	1.20	**.99**	**1.00**	8.00	**9.10**	12.00	**11.26**	**115** A
‡Baugh's Colonial Fertilizer for Tobacco 4-8-12	Baltimore	4.00	**4.02**	2.80	**3.04**	1.20	**.98**	**.70**	8.00	**8.20**	12.00	**12.40**	**179** A
Baugh's Old Dependable Potato Grower 4-8-10	Baltimore	4.00	**3.99**	3.00	**3.09**	1.00	**.90**	**.80**	8.00	**8.60**	10.00	**10.18**	**10** B
‡Baugh's Old Dependable Potato Grower 4-8-10	Salisbury	4.00	**3.99**	3.00	**3.13**	1.00	**.86**	**.50**	8.00	**8.60**	10.00	**10.40**	**49** B
Baugh's Old Dependable Potato Grower 4-8-10	Baltimore	4.00	**4.14**	3.00	**3.24**	1.00	**.90**	**.60**	8.00	**8.50**	10.00	**10.42**	**20** B
Baugh's Old Dependable Potato Grower 4-8-10	Baltimore	4.00	**4.11**	3.00	**3.33**	1.00	**.78**	**.50**	8.00	**8.70**	10.00	**10.46**	**34** B
‡Baugh's 4-8-10 for Tobacco	Baltimore	4.00	**4.10**	2.80	**2.89**	1.20	**1.21**	**.80**	8.00	**8.80**	10.00	**10.00**	**64** A
Baugh's 4-8-10 for Tobacco	Baltimore	4.00	**3.97**	2.80	**2.88**	1.20	**1.09**	**1.20**	8.00	**8.80**	10.00	**10.08**	**111** A
Baugh's Approved Truck Grower 4-8-8	Baltimore	4.00	**4.02**	3.00	**3.23**	1.00	**.79**	**.70**	8.00	**8.60**	8.00	**8.30**	**31** B
‡Baugh's 4-8-7 for Tobacco	Baltimore	4.00	**4.00**	2.80	**2.44**	1.20	**1.56**	**1.10**	8.00	**8.40**	7.00	**6.87**	**9** A
Baugh's Half Century Perfection Brand 4-8-7	Baltimore	4.00	**4.09**	3.10	**3.23**	.90	**.86**	**.60**	8.00	**8.90**	7.00	**7.14**	**28** A
Baugh's Half Century Perfection Brand 4-8-7	Baltimore	4.00	**4.02**	3.10	**3.25**	.90	**.77**	**.50**	8.00	**8.40**	7.00	**7.29**	**27** B
Baugh's Half Century Perfection Brand 4-8-7	Baltimore	4.00	**4.07**	3.10	**3.22**	.90	**.85**	**.60**	8.00	**8.50**	7.00	**7.21**	**33** B
‡Baugh's 4-8-5 for Tobacco	Baltimore	4.00	**3.86**	2.80	**2.72**	1.20	**1.14**	**.30**	8.00	**9.60**	5.00	**5.04**	**40** A
Baugh's 4-8-5 for Tobacco	Baltimore	4.00	**4.00**	2.80	**2.70**	1.20	**1.30**	**.90**	8.00	**8.70**	5.00	**5.20**	**77** B
Baugh's 4-8-5 for Tobacco	Baltimore	4.00	**3.78**	2.80	**2.27**	1.20	**1.51**	**1.50**	8.00	**9.20**	5.00	**5.02**	**18** B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**3.99**	3.10	**3.14**	.90	**.85**	**.50**	8.00	**8.50**	5.00	**5.20**	**1** A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**4.03**	3.10	**3.17**	.90	**.86**	**.60**	8.00	**8.80**	5.00	**5.24**	**24** B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**4.17**	3.10	**3.38**	.90	**.79**	**.70**	8.00	**8.80**	5.00	**5.16**	**6** B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**3.99**	3.10	**3.14**	.90	**.85**	**.70**	8.00	**8.60**	5.00	**5.28**	**33** B
Baugh's Three Quarter Century Perfection Brand 3-12-6	Baltimore	3.00	**3.00**	2.10	**2.25**	.90	**.75**	**1.20**	12.00	**13.40**	6.00	**5.94**	**86** A
Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	**3.03**	1.40	**1.40**	1.60	**1.63**	**1.20**	12.00	**13.20**	6.00	**6.70**	**13** B

Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	**3.99**	3.10	**3.14**	.90	**.85**	**.70**	8.00	**8.60**	5.00	**5.28**	**33** B
Baugh's Three Quarter Century Perfection Brand 3-12-6	Baltimore	3.00	**3.00**	2.10	**2.25**	.90	**.75**	**1.20**	12.00	**13.40**	6.00	**5.94**	**86** A
Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	**3.03**	1.40	**1.40**	1.60	**1.63**	**1.20**	12.00	**12.30**	6.00	**6.70**	**13** B
Baugh's Tomato Compound with Fish 3-8-10	Baltimore	3.00	**3.02**	1.90	**1.92**	1.10	**1.10**	**.60**	8.00	**8.90**	10.00	**9.94**	**30** B
Baugh's Double Eagle Phosphate 2-12-6	Oakland	2.00	**2.05**	1.20	**1.32**	.80	**.73**	**1.40**	12.00	**12.10**	6.00	**6.20**	**58** A
Baugh's Double Eagle Phosphate 2-12-6	Linwood	2.00	**2.40**	1.20	**1.40**	.80	**1.00**	**.90**	12.00	**12.70**	6.00	**6.21**	**56** A
Baugh's Double Eagle Phosphate 2-12-6	Baltimore	2.00	**2.12**	1.20	**1.26**	.80	**.86**	**1.30**	12.00	**12.50**	6.00	**6.05**	**12** B
Baugh's Corn and Oats Fertilizer 2-12-4	Oakland	2.00	**1.99**	1.20	**1.07**	.80	**.92**	**1.20**	12.00	**12.20**	4.00	**4.38**	**40** A
Baugh's Corn and Oats Fertilizer 2-12-4	Baltimore	2.00	**2.01**	1.20	**1.10**	.80	**.91**	**1.30**	12.00	**12.80**	4.00	**4.19**	**44** A
Baugh's Corn and Oats Fertilizer 2-12-4	Baltimore	2.00	**2.06**	1.20	**1.41**	.80	**.65**	**1.30**	12.00	**12.50**	4.00	**4.36**	**26** A
Baugh's Corn and Oats Fertilizer 2-12-4	Baltimore	2.00	**2.06**	1.20	**1.33**	.80	**.73**	**1.40**	12.00	**12.30**	4.00	**4.42**	**29** A
Baugh's Special Potato Manure 2-9-5	Baltimore	2.00	**2.16**	1.40	**1.60**	.60	**.56**	**.60**	9.00	**9.80**	5.00	**5.28**	**29** A
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	**2.05**	1.40	**1.50**	.60	**.55**	**.90**	9.00	**9.10**	5.00	**5.20**	**43** A
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	**2.11**	1.40	**1.50**	.60	**.61**	**.70**	9.00	**10.00**	5.00	**5.06**	**50** A
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	**1.99**	1.40	**1.52**	.60	**.47**	**.80**	9.00	**10.40**	5.00	**5.24**	**9** B
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	**2.05**	1.40	**1.50**	.60	**.55**	**.80**	9.00	**9.60**	5.00	**5.10**	**9** B
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	**2.16**	1.40	**1.71**	.60	**.45**	**.80**	9.00	**9.60**	5.00	**5.20**	**25** B
Baugh's Complete Animal Base Fert. 2-9-5	Boonsboro	2.00	**2.11**	1.40	**1.63**	.60	**.48**	**.50**	9.00	**9.80**	5.00	**4.97**	**26** B
Baugh's 2-8-10 for Tobacco	Baltimore	2.00	**2.06**	1.20	**1.05**	.80	**1.01**	**.80**	8.00	**8.90**	10.00	**10.44**	**2** A
‡Baugh's 2-8-10, with Fish	Baltimore	2.00	**2.11**	1.20	**1.36**	.80	**.75**	**.70**	8.00	**8.80**	10.00	**10.34**	**40** B
Baugh's Commercial Crop Compound 2-8-10	Baltimore	2.00	**1.99**	1.40	**1.52**	.60	**.47**	**.70**	8.00	**9.10**	10.00	**10.00**	**34** B
‡Baugh's Excelsior Mixture 1-10-5	Linwood	1.00	**1.04**	.60	**.70**	.40	**.34**	**.70**	10.00	**10.70**	5.00	**5.30**	**8** B
‡Domestic Sheep Manure 1.50-TPA. 1-1	Baltimore	1.50	**1.77**						*1.00	***1.00**	1.00	**2.50**	
Sulphate of Ammonia 20.57-0-0	Baltimore	20.57	**20.58**										
Sulphate of Ammonia 20.57-0-0	Baltimore	20.57	**20.62**										
‡Dried Ground Blood 12-0-0	Baltimore	12.00	**11.82**										
Baugh's Raw Bone Meal, Warranted Pure 3.70-TPA. 20.50-0	Baltimore	3.70	**3.75**						*20.50	***21.40**			
Baugh's Raw Bone Meal, Warranted Pure 3.70-TPA. 20.50-0	Crownsville	3.70	**3.86**						*20.50	***20.56**			
Baugh's Pure Steamed Bone Meal 2.47-TPA. 23-0	Baltimore	2.47	**2.82**						*23.00	***24.40**			
Baugh's Pure Steamed Bone Meal 2.47-TPA. 23-0	Baltimore	2.47	**3.29**						*23.00	***21.40**			
Baugh's Phosphate & Potash Mixture 0-14-6	Baltimore							**1.30**	14.00	**14.20**	6.00	**6.40**	
Baugh's Phosphate & Potash Mixture 0-10-10	Baltimore							**.80**	10.00	**10.50**	10.00	**10.40**	
Baugh's, The Ideal Superphosphate 0-20-0	Baltimore							**.30**	20.00	**21.20**			
Baugh's, The Ideal Superphosphate 0-20-0	Baltimore							**.30**	20.00	**21.40**			
Baugh's, The Ideal Superphosphate 0-16-0	Baltimore							**.40**	16.00	**17.00**			
Baugh's, The Ideal Superphosphate 0-16-0	Baltimore							**.40**	16.00	**17.50**			
Baugh's Lime and Phophate 0-16-0	Baltimore							**1.10**	16.00	**16.10**	§30.00	§**29.80**	
**Muriate of Potash 0-0-50	Oakland										50.00	**45.00**	

* Total Phosphoric Acid. ** Material insolute in water 12.27%. ‡ Not licensed at time of sampling. § Calcium.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	FOUND	Declared	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Baugh & Sons Co., Baltimore, Md. (Continued)													
†Muriate of Potash 0-0-50	Baltimore										50.00	**45.20**	
‡High Grade Kainit 0-0-20	Baltimore										20.00	**21.12**	
Herbert Bryant, Inc., Alexandria, Va.													
6-6-5	Wash. Grove	6.00	**6.25**	4.80	**4.97**	1.20	**1.28**	**.40**	6.00	**6.20**	5.00	**5.30**	**439** A
6-6-5	Crisfield	6.00	**6.22**	4.80	**4.86**	1.20	**1.36**	**.40**	6.00	**6.10**	5.00	**5.46**	**398** A
5-8-5	Silver Spring	5.00	**5.17**	3.75	**4.02**	1.25	**1.15**	**.40**	8.00	**8.20**	5.00	**5.28**	**311** A
3-8-5	Wash. Grove	3.00	**3.06**	1.80	**1.97**	1.20	**1.09**	**.70**	8.00	**8.20**	5.00	**5.40**	**114** A
2-8-5	Silver Spring	2.00	**2.04**	1.00	**1.04**	1.00	**1.00**	**.40**	8.00	**8.90**	5.00	**5.40**	**1** B
Pulverized Sheep Manure 1.85-TPA. 1-1.75	Silver Spring	1.85	**2.44**						*1.00	***2.60**	1.75	**2.30**	
Sulphate of Ammonia 20.56-0-0	Silver Spring	20.56	**20.58**										
Pure Animal Bone Meal 3.70-TPA. 21½-0	Silver Spring	3.70	**3.95**						*21.50	***22.40**			
High Grade Superphosphate 0-16-0	Silver Spring							**1.30**	16.00	**16.10**			
Economy Lime Compound 0-16-0	Wash. Grove							**2.30**	16.00	**16.00**			
Joseph L. Bullock, Baltimore, Md.													
6-6-5	Baltimore	6.00	**5.63**	3.00	**2.51**	3.00	**3.12**	**.50**	6.00	**6.70**	5.00	**5.70**	**50** B
Central Chemical Corp. of Maryland, Hagerstown, Md.													
‡Farmrite Super Special 4-16-4	Baltimore	4.00	**4.04**	3.25	**3.41**	.75	**.63**	**.90**	16.00	**16.50**	4.00	**4.30**	**294** A
‡Farmrite Farmers Friend 4-12-4	Baltimore	4.00	**4.06**	3.25	**3.57**	.75	**.49**	**.70**	12.00	**12.00**	4.00	**4.26**	**90** A
Farmrite Potato Special 4-8-7	Baltimore	4.00	**4.03**	3.20	**3.73**	.80	**.30**	**.60**	8.00	**8.50**	7.00	**7.37**	**166** A
Farmrite Potato Special 4-8-7	Maugansville	4.00	**3.86**	3.20	**3.33**	.80	**.53**	**.40**	8.00	**8.60**	7.00	**7.10**	**194** A
Farmrite Potato Special 4-8-7	Hagerstown	4.00	**3.85**	3.20	**3.65**	.80	**.20**	**.40**	8.00	**8.50**	7.00	**7.40**	**153** A
Farmrite Potato Special 4-8-7	Baltimore	4.00	**4.06**	3.20	**3.79**	.80	**.27**	**.40**	8.00	**8.10**	7.00	**7.53**	**171** A
‡Farmrite Golden Grain 3-12-6	Baltimore	3.00	**2.99**	2.25	**2.42**	.75	**.57**	**.50**	12.00	**12.10**	6.00	**6.44**	**146** A
Farmrite Golden Grain 3-12-6	Baltimore	3.00	**2.99**	2.25	**2.51**	.75	**.48**	**.60**	12.00	**12.30**	6.00	**6.29**	**199** A
Farmrite Fertilizer 2-12-6	Baltimore	2.00	**2.11**	1.40	**1.47**	.60	**.64**	**.50**	12.00	**12.00**	6.00	**6.60**	**46** B
Farmrite Fertilizer 2-12-6	Baltimore	2.00	**2.13**	1.40	**1.52**	.60	**.61**	**.90**	12.00	**12.60**	6.00	**6.05**	**16** A
Farmrite Grain Food 2-12-4	Baltimore	2.00	**2.01**	1.40	**1.26**	.60	**.75**	**.80**	12.00	**12.20**	4.00	**4.30**	**100** B
Farmrite Grain Food 2-12-4	Baltimore	2.00	**2.01**	1.40	**1.49**	.60	**.52**	**.90**	12.00	**12.40**	4.00	**4.26**	**48** B
Farmrite Excelsior 2-9-5	Baltimore	2.00	**2.04**	1.40	**1.41**	.60	**.63**	**.50**	9.00	**9.20**	5.00	**5.02**	**288** B
Farmrite Excelsior 2-9-5	Baltimore	2.00	**2.02**	1.40	**1.47**	.60	**.55**	**.70**	9.00	**9.00**	5.00	**5.28**	**183** B

Farmrite Fertilizer 2-12-6	Baltimore	2.00	**2.13**	1.40	**1.32**	.60	**.81**	**.90**	12.00	**12.60**	6.00	**6.03**	**16** A
Farmrite Grain Food 2-12-4	Baltimore	2.00	**2.01**	1.40	**1.26**	.60	**.75**	**.80**	12.00	**12.20**	4.00	**4.30**	**100** B
Farmrite Grain Food 2-12-4	Baltimore	2.00	**2.01**	1.40	**1.49**	.60	**.52**	**.90**	12.00	**12.40**	4.00	**4.26**	**48** B
Farmrite Excelsior 2-9-5	Baltimore	2.00	**2.04**	1.40	**1.41**	.60	**.63**	**.50**	9.00	**9.20**	5.00	**5.02**	**288** B
Farmrite Excelsior 2-9-5	Baltimore	2.00	**2.02**	1.40	**1.47**	.60	**.55**	**.70**	9.00	**9.00**	5.00	**5.28**	**183** B
‡Farmrite Imperial 2-8-10	Baltimore	2.00	**2.12**	1.40	**1.45**	.60	**.67**	**.50**	8.00	**8.30**	10.00	**10.20**	**95** B
Farmrite Imperial 2-8-10	Baltimore	2.00	**2.08**	1.40	**1.47**	.60	**.61**	**.50**	8.00	**8.60**	10.00	**9.60**	**117** B
Farmrite Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**.20**	20.00	**21.10**	.....	.....	.....
Farmrite Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	**.40**	16.00	**16.90**	.....	.....	.....
Farmrite Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	**.40**	16.00	**17.20**	.....	.....	.....
Chewsville Cooperative Association, Inc., Chewsville, Md.													
Planters Pride 10-6-4	Chewsville	10.00	**9.54**	9.00	**8.74**	1.00	**.80**	**.40**	6.00	**8.40**	4.00	**5.12**	**7** A
Fruit and Vegetable Mixture 6-6-5	Chewsville	6.00	**6.09**	5.00	**4.97**	1.00	**1.12**	**.40**	6.00	**6.90**	5.00	**5.20**	**287** B
Perfection 4-8-7	Chewsville	4.00	**3.97**	3.00	**2.75**	1.00	**1.22**	**.70**	8.00	**9.40**	7.00	**7.38**	**83** B
Crop Producer 3-12-6	Chewsville	3.00	**3.26**	2.00	**2.06**	1.00	**1.20**	**.90**	12.00	**13.20**	6.00	**6.36**	**126** A
Golden Harvest 2-9-5	Chewsville	2.00	**2.22**	1.00	**1.19**	1.00	**1.03**	**.50**	9.00	**10.90**	5.00	**5.38**	**262** B
Phosphate and Potash 0-12-5	Chewsville	.....	.....	.....	.....	.....	.....	**.80**	12.00	**13.70**	5.00	**5.50**	.....
Superphosphate 0-16-0	Chewsville	.....	.....	.....	.....	.....	.....	**.40**	16.00	**20.90**	.....	.....	.....
Chilean Nitrate Sales Corp., New York, N. Y.													
Champion Brand Chilean Nitrate of Soda 16-0-0	Baltimore	16.00	**16.08**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Old Style Chilean Nitrate of Soda 15.50-0-0	Baltimore	†15.50	**15.58**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cooperative Southern States Services, Inc., Baltimore, Md.													
Open Formula Fruit Tree Special 10-6-4 Quality Fertilizer	Baltimore	10.00	**9.46**	8.00	**6.53**	2.00	**2.93**	**.50**	6.00	**7.30**	4.00	**4.12**	**377** A
L. Otis Corkran & Co., Rhodesdale, Md.													
6-6-5	Rhodesdale	6.00	**5.97**	4.50	**3.63**	1.50	**2.34**	**.80**	6.00	**6.30**	5.00	**5.04**	**81** A
6-6-5	Rhodesdale	6.00	**6.07**	4.50	**4.42**	1.50	**1.65**	**.30**	6.00	**6.70**	5.00	**5.24**	**251** A
4-7-9	Rhodesdale	4.00	**4.03**	2.25	**1.40**	1.75	**2.63**	**.30**	7.00	**8.00**	8.00	**8.76**	**192** B
3-8-10	Rhodesdale	3.00	**3.52**	2.00	**2.12**	1.00	**1.40**	**.40**	8.00	**8.80**	10.00	**8.52**	**18** B
2-7-7	Rhodesdale	2.00	**2.02**	1.00	**.20**	1.00	**1.82**	**.30**	7.00	**7.70**	7.00	**7.37**	**614** B
0-10-10	Rhodesdale	.....	.....	.....	.....	.....	.....	**.30**	10.00	**10.50**	10.00	**10.44**	.....
Cover Lawn Seed Co., Baltimore, Md.													
State Park Brand 4-0-0	Baltimore	4.00	**5.97**	4.00	**5.78**	.....	**.19**	.....	.....	.....	.....	.....	.....
The Davison Chemical Corp., Baltimore, Md.													
Davco Granulated Pomo Food 10-6-4	Baltimore	10.00	**9.94**	9.65	**9.54**	.35	**.40**	**.50**	6.00	**6.50**	4.00	**4.12**	**674** A
Davco Granulated Fertilizer 6-6-5	Baltimore	6.00	**5.96**	5.79	**5.77**	.21	**.19**	**.40**	6.00	**6.50**	5.00	**5.28**	**51** B

* Total Phosphoric Acid. † Material insolute in water 9.65%. ‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Davison Chemical Corp., Baltimore, Md. (Continued)													
‡Davco Granulated Fertilizer 5-10-10	Oakland	5.00	**4.63**	4.89	**4.42**	.11	**.21**	**.80**	10.00	**10.20**	10.00	**10.30**	**273** A
‡Davco Granulated Fertilizer 4-12-10	Oakland	4.00	**3.65**	3.86	**3.54**	.14	**.11**	**.70**	12.00	**12.70**	10.00	**10.40**	**325** A
Davco Granulated Tomato Food 4-12-6	Baltimore	4.00	**3.99**	3.86	**3.92**	.14	**.07**	**.80**	12.00	**12.10**	6.00	**6.34**	**250** A
Davco Granulated Fertilizer 4-12-4	Baltimore	4.00	**4.09**	3.86	**4.09**	.14	**.00**	**.80**	12.00	**12.30**	4.00	**4.26**	**144** A
Davco Granulated Fertilizer 4-8-8	Baltimore	4.00	**4.09**	3.86	**3.86**	.14	**.23**	**.50**	8.00	**8.30**	8.00	**8.24**	**115** B
Davco Granulated Fertilizer 4-8-7	Baltimore	4.00	**4.09**	3.86	**3.88**	.14	**.21**	**.60**	8.00	**8.00**	7.00	**7.30**	**182** B
Davco Granulated Fertilizer 4-8-5	Baltimore	4.00	**4.03**	3.86	**3.88**	.14	**.15**	**.60**	8.00	**8.10**	5.00	**5.40**	**284** B
Davco Granulated Fertilizer 3-12-6	Baltimore	3.00	**3.10**	2.90	**2.84**	.10	**.26**	**.80**	12.00	**12.10**	6.00	**6.44**	**39** A
Davco Granulated Fertilizer 3-8-10	Baltimore	3.00	**3.06**	2.90	**2.85**	.10	**.21**	**.60**	8.00	**8.20**	10.00	**10.08**	**229** B
Davco Granulated Fertilizer 2-12-6	Baltimore	2.00	**1.99**	2.00	**1.88**	.....	**.11**	**.70**	12.00	**12.40**	6.00	**6.36**	**254** B
Davco Granulated Fertilizer 2-12-4	Baltimore	2.00	**1.99**	2.00	**1.94**	.....	**.05**	**.90**	12.00	**12.10**	4.00	**4.26**	**259** B
Davco Homogeneous Granulated Fert. 2-9-5	Taneytown	2.00	**1.80**	2.00	**1.78**	.....	**.02**	**.50**	9.00	**9.00**	5.00	**5.38**	**657** B
Davco Granulated Fertilizer 2-9-5	Baltimore	2.00	**2.02**	2.00	**1.94**	.....	**.08**	**.60**	9.00	**9.00**	5.00	**5.06**	**506** B
Davco Granulated Fertilizer 2-8-10	Baltimore	2.00	**1.99**	2.00	**1.85**	.....	**.14**	**.50**	8.00	**8.10**	10.00	**10.30**	**510** B
‡Sheep Manure 2-TPA. 1-2	Baltimore	2.00	**2.20**	.....	.....	.....	.....	.....	*1.00	*1.20	2.00	**2.90**	.....
‡Sulphate of Ammonia 20.56-0-0	Cambridge	20.56	**20.60**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Davco Granulated Fertilizer 0-14-6	Baltimore	.....	.....	.....	.....	.....	.....	**.90**	14.00	**14.70**	6.00	**6.60**	.....
Davco Granulated Fertilizer 0-10-10	Baltimore	.....	.....	.....	.....	.....	.....	**.60**	10.00	**10.30**	10.00	**9.70**	.....
Davco Granulated Fertilizer 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	.80	12.00	**12.60**	5.00	**5.40**	.....
Davco Granulated Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**1.00**	20.00	**21.80**	.....	.....	.....
Devilbiss Brothers, New Windsor, Md.													
4-8-7	New Windsor	4.00	**4.16**	3.50	**3.82**	.50	**.34**	**.50**	8.00	**9.40**	7.00	**7.54**	**2** B
Butcher House 2-9-5	New Windsor	2.00	**2.26**	1.60	**1.91**	.40	**.35**	**.60**	9.00	**10.60**	5.00	**6.40**	**117** B
Wheat Grower 1-10-5	New Windsor	1.00	**1.41**	.80	**1.05**	.20	**.36**	**.50**	10.00	**11.60**	5.00	**6.21**	**231** B
Superphospate 0-18-0	New Windsor	.....	.....	.....	.....	.....	.....	**1.00**	18.00	**20.20**	.....	.....	.....
Dorchester Fertilizer Co., Cambridge, Md.													
On-Top 7-5-4	Cambridge	7.00	**6.74**	7.00	**6.64**	.....	**.10**	**.60**	5.00	**5.50**	4.00	**4.26**	**57** B
On-Top 7-5-4	Cambridge	7.00	**6.41**	7.00	**6.41**	.....	.....	**.50**	5.00	**5.80**	4.00	**4.70**	**182** B
Dorco Champion 6-6-5	Cambridge	6.00	**5.97**	4.80	**4.61**	1.20	**1.36**	**.70**	6.00	**6.00**	5.00	**4.97**	**152** B
Dorco Champion 6-6-5	Vienna	6.00	**5.98**	4.80	**3.97**	1.20	**2.01**	**.60**	6.00	**6.40**	5.00	**5.20**	**155** B
Dorco Champion 6-6-5	Vienna	6.00	**5.97**	4.80	**4.69**	1.20	**1.28**	**.40**	6.00	**6.70**	5.00	**5.98**	**71** B

Dorco Champion 6-6-5	Cambridge	6.00	**5.97**	4.80	**4.61**	1.20	**1.36**	**.70**	6.00	**6.00**	5.00	**4.97**	**152** B
Dorco Champion 6-6-5	Vienna	6.00	**5.98**	4.80	**3.97**	1.20	**2.01**	**.60**	6.00	**6.40**	5.00	**5.20**	**155** B
Dorco Champion 6-6-5	Vienna	6.00	**5.97**	4.80	**4.69**	1.20	**1.28**	**.40**	6.00	**6.70**	5.00	**5.98**	**71** B
Dorco Champion 6-6-5	Cambridge	6.00	**6.00**	4.80	**4.77**	1.20	**1.23**	**.40**	6.00	**6.80**	5.00	**5.40**	**60** B
Majestic 5-10-6	Cambridge	5.00	**5.48**	4.00	**3.97**	1.00	**1.51**	**.60**	10.00	**10.00**	6.00	**6.40**	**118** A
Majestic 5-10-6	Cambridge	5.00	**5.45**	4.00	**4.20**	1.00	**1.25**	**.70**	10.00	**10.20**	6.00	**6.00**	**134** A
Dorco Jewel 5-8-12	Vienna	5.00	**5.19**	3.00	**3.17**	2.00	**2.02**	**.40**	8.00	**8.60**	12.00	**12.30**	**9** B
Dorco Jewel 5-8-12	Cambridge	5.00	**4.98**	3.00	**2.78**	2.00	**2.20**	**.40**	8.00	**8.50**	12.00	**12.10**	**6** B
Dorco Jewel 5-8-12	Cambridge	5.00	**4.97**	3.00	**2.86**	2.00	**2.11**	**.40**	8.00	**8.00**	12.00	**12.40**	**47** B
Choice 4-8-10	Cambridge	4.00	**3.99**	3.40	**3.13**	.60	**.86**	**.60**	8.00	**8.40**	10.00	**10.08**	**36** B
Dorco Regal 4-8-7	Vienna	4.00	**3.99**	3.40	**3.24**	.60	**.75**	**.70**	8.00	**8.90**	7.00	**6.75**	**23** B
Dorco Regal 4-8-7	Cambridge	4.00	**4.00**	3.40	**3.14**	.60	**.86**	**.90**	8.00	**8.30**	7.00	**7.14**	**87** B
Dorco Regal 4-8-7	Vienna	4.00	**3.86**	3.40	**3.17**	.60	**.69**	**.70**	8.00	**8.70**	7.00	**6.98**	**107** B
Dorco Regal 4-8-7	Cambridge	4.00	**3.98**	3.40	**3.23**	.60	**.75**	**.60**	8.00	**8.50**	7.00	**7.45**	**86** B
Trucker 4-8-5	Cambridge	4.00	**4.04**	3.90	**3.92**	.10	**.12**	**1.00**	8.00	**8.30**	5.00	**5.12**	**33** B
Trucker 4-8-5	Cambridge	4.00	**4.10**	3.90	**3.96**	.10	**.14**	**.40**	8.00	**8.80**	5.00	**6.34**	**8** B
Dorco Royal 3-8-10	Cambridge	3.00	**3.26**	2.70	**3.09**	.30	**.17**	**1.10**	8.00	**8.20**	10.00	**10.20**	**68** B
Dorco Royal 3-8-10	Cambridge	3.00	**3.17**	2.70	**2.47**	.30	**.70**	**.70**	8.00	**8.40**	10.00	**10.40**	**102** B
Producer 2-9-5	Cambridge	2.00	**2.01**	1.90	**1.90**	.10	**.11**	**.60**	9.00	**9.30**	5.00	**5.48**	**96** B
Favorite 2-8-10	Cambridge	2.00	**2.08**	1.90	**1.99**	.10	**.09**	**.80**	8.00	**8.20**	10.00	**10.20**	**38** B
Standard 0-10-10	Cambridge	.....	.....	.....	.....	.....	.....	**1.40**	10.00	**10.30**	10.00	**10.00**	.....
Standard 0-10-10	Cambridge	.....	.....	.....	.....	.....	.....	**.50**	10.00	**10.00**	10.00	**11.20**	.....
Superphosphate 0-16-0	Cambridge	.....	.....	.....	.....	.....	.....	**2.20**	16.00	**16.40**	.....	.....	.....
Edelen Brothers, Baltimore, Md.													
Edelen's 10% Tobacco Bed Mixture 10-5-2	Baltimore	10.00	**9.96**	8.50	**8.26**	1.50	**1.70**	**.40**	5.00	**5.90**	2.00	**2.48**	**752** A
Edelen's 10% Tobacco Bed Mixture 10-5-2	Baltimore	10.00	**10.00**	8.50	**8.49**	1.50	**1.51**	**.50**	5.00	**5.10**	2.00	**2.40**	**796** A
Edelen's Red Tobacco 3-8-10	Baltimore	3.00	**3.10**	2.40	**2.42**	.60	**.68**	**.50**	8.00	**8.60**	10.00	**10.12**	**220** A
Edelen's Wheat and Grain Mixture 2-9-5	Baltimore	2.00	**2.01**	1.70	**1.54**	.30	**.47**	**.60**	9.00	**10.30**	5.00	**5.28**	**164** A
Edelen's Wheat and Grain Mixture 2-9-5	Baltimore	2.00	**1.97**	1.70	**1.47**	.30	**.50**	**.50**	9.00	**9.30**	5.00	**5.20**	**99** A
Edelen's Wheat and Grain Mixture 2-9-5	Baltimore	2.00	**2.05**	1.70	**1.10**	.30	**.95**	**.90**	9.00	**9.60**	5.00	**5.37**	**377** B
Egypt Poultry Farm, Owings Mills, Md.													
Egyptian Grower 2.70-TPA. 1.60-1.28	Owings Mills	2.70	**3.16**	.....	.....	.....	.....	.....	*1.60	***2.50**	1.28	**1.60**	.....
The Eichman Co., Union Bridge, Md.													
Eichman's Soil-Saver 2-9-5	Union Bridge	2.00	**1.76**	1.80	**1.40**	.20	**.36**	**1.30**	9.00	**9.80**	5.00	**5.20**	**315** B
Farmers Cooperative Association, Inc., Frederick, Md.													
Spring Special 4-8-8	Frederick	4.00	**4.31**	3.20	**3.40**	.80	**.91**	**.40**	8.00	**9.40**	8.00	**9.20**	**200** A
Spring Special 4-8-8	Frederick	4.00	**4.27**	3.20	**3.55**	.80	**.72**	**.70**	8.00	**9.20**	8.00	**10.00**	**157** A
Sure Crop 2-12-6	Frederick	2.00	**2.04**	1.60	**1.21**	.40	**.83**	**.70**	12.00	**12.00**	6.00	**7.20**	**18** A

* Total phosphoric acid. ‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Farmers Cooperative Ass'n, Frederick, Md. (Continued)													
Sure Crop 2-12-6	Frederick	2.00	**2.05**	1.60	**1.40**	.40	**.65**	**.60**	12.00	**12.20**	6.00	**8.00**	**5** A
Wheat and Grass Special 2-9-5	Frederick	2.00	**2.32**	1.60	**1.54**	.40	**.78**	**.70**	9.00	**10.50**	5.00	**5.04**	**92** B
Rock and Potash Special 0-12-5	Frederick	.....	.....	.....	.....	.....	.....	**1.60**	12.00	**13.30**	5.00	**4.42**	.....
Farmers Fertilizer & Feed Co., Westminster, Md.													
Trucker's Delight 4-8-8	Westminster	4.00	**4.00**	3.50	**3.26**	.50	**.74**	**.40**	8.00	**8.80**	8.00	**8.52**	**59** A
Trucker's Delight 4-8-8	Westminster	4.00	**3.97**	3.50	**3.33**	.50	**.64**	**.40**	8.00	**8.80**	8.00	**8.34**	**58** A
Superior 2-12-6	Westminster	2.00	**1.97**	1.40	**1.33**	.60	**.64**	**.80**	12.00	**12.10**	6.00	**6.70**	**2** B
Superior 2-12-6	Westminster	2.00	**2.15**	1.40	**1.42**	.60	**.73**	**1.80**	12.00	**11.60**	6.00	**6.10**	**67** B
High Grade 2-9-5	Westminster	2.00	**1.97**	1.40	**1.38**	.60	**.59**	**.70**	9.00	**9.20**	5.00	**6.20**	**35** B
High Grade 2-9-5	Westminster	2.00	**2.05**	1.40	**1.42**	.60	**.63**	**.60**	9.00	**9.40**	5.00	**5.35**	**65** B
Farmers Potash Special 2-8-10	Westminster	2.00	**1.90**	1.40	**1.26**	.60	**.64**	**.40**	8.00	**9.00**	10.00	**10.00**	**6** B
Farmers Potash Special 2-8-10	Westminster	2.00	**2.06**	1.40	**1.47**	.60	**.59**	**.60**	8.00	**8.50**	10.00	**9.96**	**74** B
Farmers Favorite 1-10-5	Westminster	1.00	**1.14**	.50	**.56**	.50	**.58**	**1.00**	10.00	**10.60**	5.00	**5.00**	**36** B
Farmers Favorite 1-10-5	Westminster	1.00	**1.46**	.50	**.81**	.50	**.65**	**1.00**	10.00	**10.00**	5.00	**5.40**	**105** B
Superphosphate and Potash 0-12-5	Westminster	.....	.....	.....	.....	.....	.....	**.90**	12.00	**12.30**	5.00	**5.50**	.....
Superphosphate and Potash 0-12-5	Westminster	.....	.....	.....	.....	.....	.....	**.90**	12.00	**11.80**	5.00	**5.28**	.....
Superphosphate 0-16-0	Westminster	.....	.....	.....	.....	.....	.....	**2.00**	16.00	**16.60**	.....	.....	.....
The Farmers & Planters Co., Salisbury, Md.													
F. & P. Brand 6-6-5 (Special High Grade)	Salisbury	6.00	**6.21**	4.80	**4.28**	1.20	**1.93**	**.60**	6.00	**6.80**	5.00	**5.30**	**74** A
F. & P. Brand 6-6-5 (Special High Grade)	Pocomoke City	6.00	**5.97**	4.80	**3.70**	1.20	**2.27**	**.80**	6.00	**6.20**	5.00	**5.00**	**9** B
F. & P. Brand 6-6-5 (Special High Grade)	Salisbury	6.00	**5.81**	4.80	**3.58**	1.20	**2.23**	**.70**	6.00	**6.30**	5.00	**5.08**	**28** B
F. & P. Brand 5-8-12 (Early Truck)	Salisbury	5.00	**4.90**	4.00	**3.86**	1.00	**1.04**	**.60**	8.00	**8.40**	12.00	**12.00**	**207** A
F. & P. Brand 5-8-12 (Early Truck)	Salisbury	5.00	**5.22**	4.00	**4.34**	1.00	**.88**	**.40**	8.00	**8.10**	12.00	**12.60**	**202** A
F. & P. Brand 4-8-10 (Tomato Special)	Salisbury	4.00	**4.10**	3.20	**2.81**	.80	**1.29**	**.70**	8.00	**8.40**	10.00	**10.60**	**1** A
F. & P. Brand 4-8-10 (Tomato Special)	Salisbury	4.00	**3.97**	3.20	**2.67**	.80	**1.30**	**.60**	8.00	**8.40**	10.00	**10.40**	**24** A
F. & P. Brand 4-8-5 (Early Vegetable)	Salisbury	4.00	**4.07**	3.20	**2.71**	.80	**1.36**	**.80**	8.00	**8.20**	5.00	**5.20**	**87** B
F. & P. Brand 4-8-5 (Early Vegetable)	Salisbury	4.00	**4.07**	3.20	**2.71**	.80	**1.36**	**.80**	8.00	**8.50**	5.00	**5.24**	**3** A
F. & P. Brand 4-8-5 (Early Vegetable)	Pocomoke City	4.00	**3.89**	3.20	**3.15**	.80	**.74**	**.90**	8.00	**8.30**	5.00	**5.80**	**98** B
F. & P. Brand 3-8-10 (Sweet Potato Spec.)	Salisbury	3.00	**3.00**	2.40	**2.27**	.60	**.73**	**.80**	8.00	**7.90**	10.00	**10.60**	**195** B
F. & P. Brand 2-9-5 (Fish Brand Mix.)	Salisbury	2.00	**2.25**	1.60	**1.78**	.40	**.47**	**.90**	9.00	**10.20**	5.00	**5.40**	**190** B
F. & P. Brand 2-8-10 (XX Potash Mixture)	Salisbury	2.00	**1.97**	1.60	**1.12**	.40	**.85**	**1.00**	8.00	**8.20**	10.00	**10.40**	**317** B

F. & P. Brand 3-8-10 (Sweet Potato Spec.)	Salisbury	3.00	**3.00**	2.40	**2.27**	.60	**.73**	**.80**	8.00	**7.90**	10.00	**10.60**	**195**	B
F. & P. Brand 2-9-5 (Fish Brand Mix.)	Salisbury	2.00	**2.25**	1.60	**1.78**	.40	**.47**	**.90**	9.00	**10.20**	5.00	**5.40**	**190**	B
F. & P. Brand 2-8-10 (XX Potash Mixture)	Salisbury	2.00	**1.97**	1.60	**1.12**	.40	**.85**	**1.00**	8.00	**8.20**	10.00	**10.40**	**317**	B
Griffith & Boyd Co., Baltimore, Md.														
‡Griffith & Turner Extra Strength Guano 4-16-4	Baltimore	4.00	**4.02**	2.80	**2.49**	1.20	**1.53**	**.50**	16.00	**16.00**	4.00	**4.24**	**243**	A
High Grade Truck Guano 4-8-7	Baltimore	4.00	**4.10**	3.20	**3.23**	.80	**.87**	**.50**	8.00	**8.40**	7.00	**7.37**	**295**	A
‡Griffith & Boyd's Truckers Special 4-8-5	Baltimore	4.00	**3.97**	3.20	**2.88**	.80	**.99**	**.40**	8.00	**8.60**	5.00	**5.30**	**278**	A
Griffith & Boyd's Truckers Special 4-8-5	Baltimore	4.00	**3.99**	3.20	**3.24**	.80	**.75**	**.40**	8.00	**8.70**	5.00	**5.30**	**258**	A
Griffith & Boyd's Truckers Special 4-8-5	Baltimore	4.00	**3.99**	3.20	**3.06**	.80	**.93**	**.40**	8.00	**8.60**	5.00	**5.35**	**238**	A
Griffith & Boyd's Special Potato Fertilizer 3-8-8	Baltimore	3.00	**3.00**	2.10	**2.16**	.90	**.84**	**.40**	8.00	**8.60**	8.00	**8.30**	**133**	A
‡Griffith & Boyd's Special Potato Fertilizer 3-8-8	Baltimore	3.00	**3.05**	2.10	**2.20**	.90	**.85**	**.30**	8.00	**8.70**	8.00	**8.50**	**113**	A
Griffith & Boyd's Special Guano 2-9-5	Baltimore	2.00	**2.08**	1.40	**1.38**	.60	**.70**	**.30**	9.00	**9.80**	5.00	**5.20**	**58**	A
Griffith & Boyd's Special Guano 2-9-5	Baltimore	2.00	**2.02**	1.40	**1.35**	.60	**.67**	**.40**	9.00	**9.70**	5.00	**5.28**	**78**	A
‡Pure Fine Ground Bone Meal 3.70-TPA. 20-0	Baltimore	3.70	**4.14**						*20.00	*20.30				
Griffith & Turner Co., Baltimore, Md.														
G. & T. Co.'s Grass Fertilizer 9-5-2	Baltimore	9.00	**9.16**	7.20	**8.54**	1.80	**.62**	**.40**	5.00	**5.30**	2.00	**2.40**	**813**	A
G. & T. Co.'s Grass Fertilizer 9-5-2	Baltimore	9.00	**8.98**	7.20	**7.86**	1.80	**1.12**	**.20**	5.00	**5.90**	2.00	**2.40**	**692**	A
G. & T. Co.'s Garden Fertilizer 4-8-7	Baltimore	4.00	**3.98**	3.20	**3.32**	.80	**.66**	**.50**	8.00	**8.20**	7.00	**8.00**	**201**	A
G. & T. Co.'s Rose Fertilizer 3-12-6	Baltimore	3.00	**3.10**	2.10	**2.15**	.90	**.95**	**.60**	12.00	**12.80**	6.00	**6.05**	**193**	A
G. & T. Co.'s Soft Ground Bone 3-TPA. 14-0	Baltimore	3.00	**3.07**						*14.00	*15.60				
G. & T. Co.'s Soft Ground Bone 3-TPA. 14-0	Baltimore	3.00	**3.06**						*14.00	*14.80				
Hampstead Fertilizer Co., Hampstead, Md.														
Hampstead's 4-8-8	Hampstead	4.00	**3.44**	3.25	**2.43**	.75	**1.01**	**.40**	8.00	**8.60**	8.00	**9.40**	**99**	A
Hampstead's 4-8-8	Hampstead	4.00	**3.97**	3.25	**2.69**	.75	**1.28**	**.80**	8.00	**8.70**	8.00	**8.44**	**100**	A
Hampstead's 2-12-6	Hampstead	2.00	**1.99**	1.50	**1.52**	.50	**.47**	**.60**	12.00	**12.50**	6.00	**6.30**	**173**	A
Hampstead's 2-12-6	Hampstead	2.00	**1.99**	1.50	**1.55**	.50	**.44**	**.70**	12.00	**12.10**	6.00	**6.60**	**96**	A
Hampstead's 2-9-5	Hampstead	2.00	**1.97**	1.50	**1.54**	.50	**.43**	**.50**	9.00	**9.40**	5.00	**5.38**	**101**	B
Hampstead's 2-9-5	Hampstead	2.00	**2.12**	1.50	**1.57**	.50	**.55**	**.60**	9.00	**9.60**	5.00	**5.40**	**122**	B
Hampstead's Superphosphate 0-16-0	Hampstead							**.70**	16.00	**16.60**				
Hampstead's Superphosphate 0-16-0	Hampstead							**1.00**	16.00	**16.40**				
A. H. Hoffman, Inc., Landisville, Pa.														
Hoffman's Plant Food 5-8-6	Baltimore	5.00	**5.11**	3.50	**3.33**	1.50	**1.78**	**1.80**	8.00	**13.10**	6.00	**6.05**	**98**	A
Hoffman's Bone Meal 3.70-TPA. 20-0	Baltimore	3.70	**3.12**						*20.00	*24.50				
Hoffman's Cow Manure (Dehydrated) 2-TPA 2-2	Baltimore	2.00	**2.13**						*2.00	*2.80	2.00	**2.94**		
Hoffman's Sheep Manure (Kiln-Dried) 1.85-TPA. 1-2	Baltimore	1.85	**2.13**						*1.00	*1.80	2.00	**2.06**		

* Total phosphoric acid. ‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Sampling Place of	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Horsey, Roe & Co., Greensboro, Md.													
Gromore 6-8-5	Greensboro	6.00	**5.90**	4.00	**3.09**	2.00	**2.81**	.30	8.00	**8.70**	5.00	**5.54**	105 B
New Mix 6-8-5	Greensboro	6.00	**6.02**	4.50	**4.14**	1.50	**1.88**	.20	8.00	**9.20**	5.00	**5.30**	16 A
New Mix 6-8-5	Greensboro	6.00	**6.05**	4.50	**4.39**	1.50	**1.66**	.30	8.00	**9.10**	5.00	**4.98**	20 A
Suregro 3-8-10	Greensboro	3.00	**3.26**	1.00	**1.38**	2.00	**1.88**	.50	8.00	**9.00**	10.00	**10.08**	165 B
Suregro 3-8-10	Greensboro	3.00	**3.29**	1.00	**1.14**	2.00	**2.15**	.50	8.00	**8.50**	10.00	**10.50**	224 B
New Mix 0-15-6	Greensboro	.....	.....	.....	.....	.....	.....	.50	15.00	**16.30**	6.00	**5.04**	.....
Huston, Culver & Co., Inc., Seaford, Del.													
Huston, Culver & Co.'s 6% 6-6-5	Salisbury	6.00	**6.35**	5.00	**5.11**	1.00	**1.24**	.60	6.00	**7.80**	5.00	**5.28**	169 A
Huston, Culver & Co.'s 6% 6-6-5	Federalsburg	6.00	**7.50**	5.00	**6.19**	1.00	**1.31**	.40	6.00	**7.60**	5.00	**5.24**	364 A
Huston, Culver & Co.'s 6% 6-6-5	Federalsburg	6.00	**6.08**	5.00	**3.71**	1.00	**2.37**	.60	6.00	**10.20**	5.00	**5.20**	189 A
Truck Guano 5-8-12	Salisbury	5.00	**5.01**	4.00	**4.11**	1.00	**.90**	.40	8.00	**9.40**	12.00	**10.16**	325 A
Culver's Special 4-8-10	Salisbury	4.00	**3.97**	3.00	**2.73**	1.00	**1.24**	.50	8.00	**9.60**	10.00	**10.40**	61 A
Huston, Culver & Co.'s Special 4-8-7	Federalsburg	4.00	**5.00**	3.00	**3.82**	1.00	**1.18**	.50	8.00	**9.40**	7.00	**7.64**	148 A
Huston, Culver & Co.'s Special 4-8-7	Federalsburg	4.00	**4.87**	3.00	**3.59**	1.00	**1.28**	.50	8.00	**9.00**	7.00	**7.50**	113 A
Trucker 4-8-5	Federalsburg	4.00	**4.89**	3.00	**3.73**	1.00	**1.16**	.40	8.00	**9.50**	5.00	**7.10**	171 A
Rock & Kainit 0-8-8	Federalsburg	.....	.....	.....	.....	.....	.....	.50	8.00	**10.00**	8.00	**8.52**	.....
Independent Mfg. Co., Philadelphia, Pa.													
Independent's Bone Flour 1.64-TPA. 26-0	Baltimore	1.64	**3.02**	.....	.....	.....	.....	.....	*26.00	*24.10	.....	.....	.....
The Maryland Milling & Supply Co., Sykesville, Md.													
M. M. & S. Co. Potato Guano 6-6-5	Sykesville	6.00	**5.70**	5.50	**5.03**	.50	**.67**	.60	6.00	**8.60**	5.00	**5.28**	465 A
M. M. & S. Co. Potato Guano 6-6-5	Glen Burnie	6.00	**6.19**	.....	.....	.....	.....	.60	6.00	**7.10**	5.00	**5.36**	.....
M. M. & S. Co. Potato Guano 6-6-5	Cheltenham	6.00	**6.20**	.....	.....	.....	.....	.40	6.00	**7.00**	5.00	**5.20**	.....
M. M. & S. Co. Potato Guano 6-6-5	Reisterstown	6.00	**6.25**	.....	.....	.....	.....	.40	6.00	**7.20**	5.00	**5.80**	.....
M. M. & S. Co. Potato Guano 6-6-5	Loch Raven	6.00	**6.00**	.....	.....	.....	.....	.40	6.00	**7.00**	5.00	**5.85**	.....
M. M. & S. Co. Potato Guano 6-6-5	Jessups	6.00	**6.21**	.....	.....	.....	.....	.50	6.00	**6.90**	5.00	**5.75**	.....
M. M. & S. Co. Potato Guano 6-6-5	Sykesville	6.00	**6.18**	.....	.....	.....	.....	.60	6.00	**7.60**	5.00	**5.86**	.....
Forthman's Special 5-10-5	Sykesville	5.00	**5.04**	4.75	**4.58**	.25	**.46**	.50	10.00	**10.10**	5.00	**5.20**	359 A
Trucker's Favorite 5-8-5	Sykesville	5.00	**5.01**	.....	.....	.....	.....	.40	8.00	**8.80**	5.00	**6.78**	.....
M. M. & S. Co. Tomato-Corn 4-8-7	Sykesville	4.00	**3.89**	3.75	**2.66**	.25	**1.23**	.40	8.00	**9.90**	7.00	**7.44**	295 A

Trucker's Favorite 5-8-5	Sykesville	5.00	**5.01**					.40	8.00	**8.80**	5.00	**6.78**		
M. M. & S. Co. Tomato-Corn 4-8-7	Sykesville	4.00	**3.89**	3.75	**2.66**	.25	**1.23**	.40	8.00	**9.90**	7.00	**7.44**	295	A
Carroll's Pride 4-8-4	Glen Burnie	4.00	**4.11**					.50	8.00	**9.00**	4.00	**4.34**		
Carroll's Pride 4-8-4	Glen Burnie	4.00	**3.99**					.60	8.00	**8.60**	4.00	**4.50**		
Carroll's Pride 4-8-4	Loch Raven	4.00	**3.99**					.50	8.00	**9.20**	4.00	**4.42**		
Our Special 3-12-6	Sykesville	3.00	**3.05**	2.75	**2.77**	.25	**.28**	.70	12.00	**12.90**	6.00	**6.60**	214	A
Our Special 3-12-6	Glen Burnie	3.00	**3.19**					.70	12.00	**12.40**	6.00	**6.05**		
Gambrill's Wheat-Grass Grower 2-12-6	Sykesville	2.00	**2.15**	1.75	**1.98**	.25	**.17**	.80	12.00	**12.30**	6.00	**6.90**	75	A
General Crop 2-12-4	Sykesville	2.00	**2.06**					.60	12.00	**12.60**	4.00	**4.34**		
General Crop 2-12-4	Loch Raven	2.00	**1.97**					.60	12.00	**12.80**	4.00	**4.46**		
Newman's Favorite 2-9-5	Sykesville	2.00	**1.91**	1.50	**1.43**	.50	**.48**	.70	9.00	**10.40**	5.00	**5.84**	27	B
Dietrich's Favorite 1-10-5	Sykesville	1.00	**1.05**	.75	**.81**	.25	**.24**	.60	10.00	**13.00**	5.00	**5.52**	51	B
Phosphate-Potash 0-12-5	Sykesville							.80	12.00	**15.20**	5.00	**5.90**		
Maryland Tobacco Growers' Association, Baltimore, Md.														
Md. Assoc. Brand 10-5-2 For Tobacco	St. Leonards	10.00	**10.00**	9.00	**8.63**	1.00	**1.37**	.40	5.00	**5.20**	2.00	**2.36**	763	A
Md. Assoc. Brand 10-5-2 For Tobacco	Baltimore	10.00	**10.09**	9.00	**8.92**	1.00	**1.17**	.40	5.00	**5.30**	2.00	**2.50**	856	A
Md. Assoc. Brand 10-5-2 For Tobacco	Baltimore	10.00	**9.97**	9.00	**8.67**	1.00	**1.30**	.50	5.00	**5.00**	2.00	**2.48**	835	A
Md. Assoc. Brand 8-5-2 For Tobacco	Baltimore	8.00	**8.01**	6.80	**6.67**	1.20	**1.34**	.40	5.00	**5.20**	2.00	**2.40**	582	A
Md. Assoc. Brand 8-5-2 For Tobacco	Baltimore	8.00	**8.02**	6.80	**6.95**	1.20	**1.07**	.50	5.00	**5.10**	2.00	**2.32**	655	A
Md. Assoc. Brand 6-6-8 For Tobacco	Huntingtown	6.00	**6.00**	4.80	**4.55**	1.20	**1.45**	.70	6.00	**6.10**	8.00	**7.46**	349	A
Md. Assoc. Brand 6-6-8 For Tobacco	Baltimore	6.00	**6.11**	4.80	**4.86**	1.20	**1.25**	.50	6.00	**6.00**	8.00	**8.08**	377	A
Md. Assoc. Brand 6-6-5	Baltimore	6.00	**5.71**	5.10	**4.66**	.90	**1.05**	.50	6.00	**6.60**	5.00	**5.00**	363	A
Md. Assoc. Brand 4-8-12 For Tobacco	Baltimore	4.00	**3.97**	3.40	**3.26**	.60	**.71**	.60	8.00	**8.90**	12.00	**12.10**	64	A
Md. Assoc. Brand 4-8-12 For Tobacco	Baltimore	4.00	**3.47**	3.40	**2.70**	.60	**.77**	.30	8.00	**8.50**	12.00	**10.48**	218	A
Md. Assoc. Brand 4-8-10 For Tobacco	Baltimore	4.00	**3.78**	3.40	**3.16**	.60	**.62**	.60	8.00	**9.60**	10.00	**9.98**	307	A
Md. Assoc. Brand 4-8-10 For Tobacco	Baltimore	4.00	**3.76**	3.40	**2.60**	.60	**1.16**	.40	8.00	**8.30**	10.00	**10.40**	10	B
Md. Assoc. Brand 4-8-5 For Tobacco	Baltimore	4.00	**3.85**	3.40	**2.71**	.60	**1.14**	.50	8.00	**8.40**	5.00	**5.50**	104	B
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**1.98**	1.70	**1.52**	.30	**.46**	.60	9.00	**10.20**	5.00	**5.30**	103	A
Md. Assoc. Brand 2-9-5	Baltimore	2.00	**1.90**	1.70	**1.54**	.30	**.36**	.60	9.00	**10.10**	5.00	**5.40**	90	A
Md. Assoc. Brand 0-12-5	Baltimore							.90	12.00	**12.40**	5.00	**5.84**		
‡Md. Assoc. Brand Superphosphate 0-20-0	Baltimore							1.40	20.00	**20.40**				
Md. Assoc. Brand Superphosphate 0-20-0	Baltimore							1.00	20.00	**20.60**				
Md. Assoc. Brand Superphosphate 0-16-0	Baltimore							1.00	16.00	**15.70**				
Md. Assoc. Brand Superphosphate 0-16-0	Baltimore							1.00	16.00	**16.50**				
Md. Assoc. Brand Superphosphate 0-16-0	Baltimore							1.20	16.00	**16.70**				
Md. Assoc. Brand Superphosphate 0-16-0	Baltimore							1.20	16.00	**16.60**				
Massey & Wilmer, Inc., Chestertown, Md.														
Tom, Jr. 4-8-5	Chestertown	4.00	**3.62**	3.00	**2.63**	1.00	**.99**	.30	8.00	**8.10**	5.00	**5.08**	13	A
Trustworthy 2-9-5	Chestertown	2.00	**1.76**	1.00	**1.22**	1.00	**.54**	.60	9.00	**9.10**	5.00	**5.04**	245	B

* Total phosphoric acid.

‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Sampling Place of	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Massey & Wilmer, Inc., Chestertown, Md. (Continued)													
0-12-5	Chestertown	.....	.....	.....	.....	.....	.....	**1.00**	12.00	**12.70**	5.00	**5.04**	.....
Superphosphate 0-16-0	Chestertown	.....	.....	.....	.....	.....	.....	**1.20**	16.00	**17.00**	.....	.....	.....
E. Chas. Matthias & Son, Littlestown, Pa.													
Truck Special 4-8-8	Keymar	4.00	**4.06**	3.60	**3.82**	.40	**.24**	**.60**	8.00	**8.30**	8.00	**8.44**	**187** A
Wheat Special 2-9-5	Keymar	2.00	**1.99**	1.60	**1.52**	.40	**.47**	**.60**	9.00	**9.80**	5.00	**5.40**	**187** B
Superphosphate 0-16-0	Keymar	.....	.....	.....	.....	.....	.....	**1.10**	16.00	**15.90**	.....	.....	.....
Medford Fertilizer Works, Medford, Md.													
4-8-7	Medford	4.00	**4.00**	3.00	**3.51**	1.00	**.49**	**.70**	8.00	**8.30**	7.00	**8.10**	**138** A
2-12-6	Medford	2.00	**2.01**	1.50	**1.47**	.50	**.54**	**.40**	12.00	**12.00**	6.00	**6.40**	**28** A
2-9-5	Medford	2.00	**2.46**	1.50	**1.94**	.50	**.52**	**.50**	9.00	**9.40**	5.00	**5.28**	**47** A
2-8-10	Medford	2.00	**1.94**	1.50	**1.56**	.50	**.38**	**.50**	8.00	**8.60**	10.00	**10.40**	**272** B
0-12-5	Medford	.....	.....	.....	.....	.....	.....	**.60**	12.00	**14.10**	5.00	**5.88**	.....
The Frederick Mehring Fertilizer Works, Inc., Keymar, Md.													
Mt. Airy Pea Special 5-10-5	Keymar	5.00	**5.04**	2.60	**3.16**	2.40	**1.88**	**1.20**	10.00	**11.40**	5.00	**5.36**	**139** A
Mehring's Early Truck Guano 4-8-8	Keymar	4.00	**4.09**	3.60	**3.65**	.40	**.44**	**.60**	8.00	**8.60**	8.00	**8.44**	**188** A
Mt. Airy Wheat and Corn Special 3-12-6	Mt. Airy	3.00	**2.84**	1.50	**1.76**	1.50	**1.08**	**1.90**	12.00	**12.70**	6.00	**6.18**	**120** A
Mehring's Indian Chief 2-12-6	Keymar	2.00	**1.93**	1.60	**1.52**	.40	**.41**	**.60**	12.00	**14.10**	6.00	**6.60**	**31** A
Mehring's Wheat and Grass 2-12-4	Keymar	2.00	**1.99**	1.60	**1.60**	.40	**.39**	**1.10**	12.00	**13.10**	4.00	**4.80**	**3** B
Mehring's Mammoth Truck Grower 2-9-5	Keymar	2.00	**1.98**	1.60	**1.70**	.40	**.28**	**.60**	9.00	**9.60**	5.00	**5.70**	**127** B
Mehring's Potash Mixture 0-14-6	Keymar	.....	.....	.....	.....	.....	.....	**.60**	14.00	**14.50**	6.00	**6.40**	.....
Mehring's Superphosphate 0-20-0	Mt. Airy	.....	.....	.....	.....	.....	.....	**.50**	20.00	**20.50**	.....	.....	.....
Mehring's Superphosphate 0-16-0	Mt. Airy	.....	.....	.....	.....	.....	.....	**1.00**	16.00	**16.80**	.....	.....	.....
The Meyer Seed Co., Baltimore, Md.													
M-S Lawn and Plant Food 6-6-5	Baltimore	6.00	**6.33**	3.60	**4.02**	2.40	**2.31**	**.60**	6.00	**6.20**	5.00	**5.50**	**138** A
Miller Chemical & Fertilizer Corp.,													

Miller Chemical & Fertilizer Corp., Baltimore, Md.													
Rich Yield 6-6-5	Baltimore	6.00	**6.07**	5.10	**5.28**	.90	**.79**	.50	6.00	**6.30**	5.00	**5.20**	316 A
‡Rich Yield 4-12-6	Denton	4.00	**4.00**	3.20	**3.09**	.80	**.91**	.90	12.00	**12.30**	6.00	**6.29**	183 A
Rich Yield 4-8-7	Baltimore	4.00	**4.03**	3.20	**3.05**	.80	**.98**	.90	8.00	**8.30**	7.00	**7.30**	44 A
‡Rich Yield 4-8-5	Denton	4.00	**3.99**	3.20	**3.30**	.80	**.69**	.60	8.00	**8.20**	5.00	**5.50**	184 A
Rich Yield 3-12-6	Baltimore	3.00	**3.03**	2.25	**2.29**	.75	**.74**	1.30	12.00	**11.50**	6.00	**6.83**	80 A
‡Rich Yield 3-12-6	Denton	3.00	**3.09**	2.25	**2.47**	.75	**.62**	.70	12.00	**12.50**	6.00	**6.44**	125 A
‡Rich Yield 3-8-8	Denton	3.00	**2.98**	2.25	**2.25**	.75	**.73**	.70	8.00	**8.30**	8.00	**8.50**	89 B
Fish Brand Super Quality 2-12-6	Baltimore	2.00	**2.02**	.50	**1.10**	1.50	**.92**	1.10	12.00	**11.70**	6.00	**7.10**	8 A
Harvest Queen 2-9-5	Baltimore	2.00	**1.90**	1.20	**1.07**	.80	**.83**	1.00	9.00	**9.00**	5.00	**5.30**	409 B
Harvest Queen 2-9-5	Baltimore	2.00	**2.01**	1.20	**1.22**	.80	**.79**	1.00	9.00	**9.40**	5.00	**5.34**	75 B
Rich Yield 2-8-10	Baltimore	2.00	**1.63**	1.20	**.95**	.80	**.68**	1.00	8.00	**7.80**	10.00	**13.40**	409 B
Raw Bone Meal 3.70-TPA. 20.50-0	Elkton	3.70	**4.24**						*20.50	*23.60			
Rich Yield 0-10-10	Elkton							.90	10.00	**9.60**	10.00	**10.20**	
Superphosphate 0-20-0	Baltimore							.50	20.00	**20.20**			
Superphosphate 0-16-0	Baltimore							.30	16.00	**17.10**			
Pacific Manure & Fertilizer Co., San Franciso, Calif.													
Groz-It Brand Pulverized Sheep Manure 1.25-TPA. 1-2	Baltimore	1.25	**1.68**						*1.00	*1.20	2.00	**3.65**	
The Peerless Fertilizer Co., Chestertown, Md.													
Trucker's Pride 6-6-5	Salisbury	6.00	**5.97**	4.75	**4.54**	1.25	**1.43**	.50	6.00	**6.20**	5.00	**5.24**	68 B
Trucker's Pride 6-6-5	Chestertown	6.00	**5.86**	4.75	**4.54**	1.25	**1.32**	.70	6.00	**6.10**	5.00	**5.20**	56 B
Trucker's Pride 6-6-5	Pocomoke City	6.00	**5.97**	4.75	**4.30**	1.25	**1.67**	.40	6.00	**6.00**	5.00	**5.24**	1 B
Trucker's Pride 6-6-5	Chestertown	6.00	**5.98**	4.75	**4.66**	1.25	**1.32**	.60	6.00	**6.10**	5.00	**5.12**	15 A
Trucker's Pride 6-6-5	Salisbury	6.00	**6.04**	4.75	**4.77**	1.25	**1.27**	.50	6.00	**6.40**	5.00	**5.20**	125 B
5-8-12	Salisbury	5.00	**5.10**	3.75	**3.77**	1.25	**1.33**	.90	8.00	**8.60**	12.00	**12.42**	38 B
5-8-12	Chestertown	5.00	**5.04**	3.75	**3.71**	1.25	**1.33**	.80	8.00	**8.30**	12.00	**11.72**	88 A
5-8-12	Chestertown	5.00	**5.10**	3.75	**3.62**	1.25	**1.48**	.50	8.00	**7.60**	12.00	**12.42**	9 B
5-8-12	Salisbury	5.00	**5.22**	3.75	**3.82**	1.25	**1.40**	.40	8.00	**7.80**	12.00	**12.30**	12 A
Tomato Special 4-8-10	Salisbury	4.00	**4.07**	3.00	**3.30**	1.00	**.77**	.50	8.00	**7.50**	10.00	**10.08**	11 A
Tomato Special 4-8-10	Chestertown	4.00	**3.79**	3.00	**3.20**	1.00	**.59**	.70	8.00	**7.20**	10.00	**10.00**	60 B
Tomato Special 4-8-10	Chestertown	4.00	**4.02**	3.00	**3.07**	1.00	**.95**	.50	8.00	**7.50**	10.00	**9.76**	63 A
4-8-8	Salisbury	4.00	**3.99**	3.00	**2.95**	1.00	**1.04**	.90	8.00	**7.20**	8.00	**8.40**	32 A
4-8-8	Chestertown	4.00	**3.99**	3.00	**2.86**	1.00	**1.13**	.70	8.00	**7.30**	8.00	**8.50**	47 A
4-8-8	Salisbury	4.00	**3.99**	3.00	**2.97**	1.00	**1.02**	1.10	8.00	**7.50**	8.00	**8.36**	48 A
Melon Special 4-8-7	Salisbury	4.00	**4.14**	2.00	**1.77**	2.00	**2.37**	1.00	8.00	**8.40**	7.00	**8.20**	69 B
Early Trucker 4-8-5	Salisbury	4.00	**4.03**	3.00	**3.16**	1.00	**.87**	.60	8.00	**7.80**	5.00	**5.90**	6 A
Early Trucker 4-8-5	Chestertown	4.00	**4.10**	3.00	**3.30**	1.00	**.80**	.80	8.00	**7.60**	5.00	**5.20**	4 A
Early Trucker 4-8-5	Salisbury	4.00	**4.16**	3.00	**2.50**	1.00	**1.66**	1.10	8.00	**7.60**	5.00	**5.50**	15 A

* Total phosphoric acid.

‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Peerless Fertilizer Co., Chestertown, Md. (Continued)													
Fish Brand Fertilizer 3-8-10	Salisbury	3.00	**3.14**	2.25	**2.40**	.75	**.74**	**.60**	8.00	**8.00**	10.00	**10.20**	**36** B
Fish Brand Fertilizer 3-8-10	Salisbury	3.00	**3.27**	2.25	**2.49**	.75	**.78**	**.50**	8.00	**8.00**	10.00	**9.98**	**6** A
Our Peerless 2-9-5	Chestertown	2.00	**3.02**	1.75	**2.15**	.25	**.87**	**1.10**	9.00	**8.10**	5.00	**6.90**	**24** A
Our Peerless 2-9-5	Chestertown	2.00	**2.61**	1.75	**1.76**	.25	**.85**	**1.00**	9.00	**8.60**	5.00	**5.24**	**44** B
2-8-10	Salisbury	2.00	**1.99**	1.50	**1.37**	.50	**.62**	**.50**	8.00	**7.40**	10.00	**10.08**	**110** B
2-8-10	Chestertown	2.00	**2.11**	1.50	**1.53**	.50	**.58**	**.60**	8.00	**8.00**	10.00	**8.40**	**93** B
Superphosphate 0-16-0	Chestertown							**1.30**	16.00	**17.50**			
‡Kainit 0-0-20	Salisbury										20.00	**20.16**	
Warner W. Price, Smyrna, Del.													
Ralph's Mixture 3-8-8		3.00	**2.84**	2.00	**1.99**	1.00	**.85**	**.30**	8.00	**8.60**	8.00	**9.20**	**35** B
L. & P. 2-9-5		2.00	**1.80**	1.25	**1.05**	.75	**.75**	**.60**	9.00	**9.50**	5.00	**5.40**	**144** B
0-10-10								**.30**	10.00	**10.00**	10.00	**10.60**	
Superphosphate 0-16-0								**.30**	16.00	**15.60**			
The Pulverized Manure Co., Chicago, Ill.													
Wizard Brand Pulverized Sheep Manure 2-TPA. 1-2	Baltimore	2.00	**2.05**						*1.00	***1.70**	2.00	**4.14**	
Wizard Brand Cow Manure 2-TPA. 1-1	Baltimore	2.00	**2.02**						*1.00	***1.10**	1.00	**1.63**	
The Ramsburg Fertilizer Co., Frederick, Md.													
High Grade Trucking Fertilizer 4-8-8	Frederick	4.00	**4.09**	3.20	**3.44**	.80	**.65**	**1.00**	8.00	**8.30**	8.00	**8.42**	**29** A
High Grade Trucking Fertilizer 4-8-8	Frederick	4.00	**4.28**	3.20	**3.75**	.80	**.53**	**1.00**	8.00	**8.20**	8.00	**8.50**	**95** A
Royal Crop Grower 2-12-6	Frederick	2.00	**2.01**	1.35	**1.41**	.65	**.60**	**.90**	12.00	**12.80**	6.00	**6.80**	**18** B
Royal Crop Grower 2-12-6	Frederick	2.00	**2.19**	1.35	**1.41**	.65	**.78**	**.90**	12.00	**12.30**	6.00	**6.50**	**112** B
Excelsior Plant Food 2-12-4	Frederick	2.00	**2.25**	1.35	**1.57**	.65	**.68**	**1.00**	12.00	**12.20**	4.00	**4.80**	**107** B
Old Virginia Compound 2-9-5	Frederick	2.00	**1.92**	1.35	**1.35**	.65	**.57**	**.90**	9.00	**9.50**	5.00	**5.60**	**215** B
Old Virginia Compound 2-9-5	Frederick	2.00	**1.91**	1.35	**1.29**	.65	**.62**	**.90**	9.00	**9.50**	5.00	**5.94**	**262** B
Old Virginia Compound 2-9-5	Myersville	2.00	**2.02**	1.35	**1.32**	.65	**.70**	**.70**	9.00	**9.40**	5.00	**5.50**	**263** B
Corn and Potato Fertilizer 1-10-5	Frederick	1.00	**1.07**	.50	**.63**	.50	**.44**	**.90**	10.00	**10.40**	5.00	**5.56**	**382** B
Corn and Potato Fertilizer 1-10-5	Frederick	1.00	**1.26**	.50	**.77**	.50	**.49**	**1.90**	10.00	**10.10**	5.00	**5.60**	**436** B

Special Rock and Potash 0-12-5	Frederick							1.70	12.00	12.10	5.00	5.30		
Special Rock and Potash 0-12-5	Frederick							1.10	12.00	12.40	5.00	5.26		
Super Phosphate 0-16-0	Frederick							.90	16.00	16.50				
Super Phosphate 0-16-0	Frederick							.70	16.00	17.60				
Read Drug & Chemical Co., Baltimore, Md.														
Plantgro 4-12-4														
Raw Bone Meal 3.70-TPA. 21.50-0	Baltimore	4.00	**3.99**	4.00	**3.43**		.56	3.20	12.00	12.10	4.00	4.40		
	Baltimore	3.70	**4.37**						*21.50	*23.00				
The Reindollar Co., Taneytown, Md.														
Trucker's Special 4-8-7														
Grain Grower 2-12-6	Taneytown	4.00	**4.02**	3.20	**2.76**	.80	1.26	.70	8.00	9.80	7.00	7.14	9	A
Crop Grower 2-9-5	Taneytown	2.00	**2.25**	1.40	**1.24**	.60	1.01	1.00	12.00	12.90	6.00	6.20	27	B
Rock and Potash 0-12-5	Taneytown	2.00	**2.06**	1.50	**1.54**	.50	.52	.60	9.00	9.30	5.00	5.68	74	B
Superphosphate 0-16-0	Taneytown							.50	12.00	12.90	5.00	5.64		
	Taneytown							.80	16.00	17.30				
F. S. Royster Guano Co., Baltimore, Md.														
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	**5.98**	3.60	**3.78**	2.40	2.20	.40	6.00	6.30	5.00	5.30	69	A
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	**6.00**	3.60	**3.49**	2.40	2.51	.30	6.00	6.40	5.00	5.22	38	A
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	**6.05**	3.60	**3.20**	2.40	2.85	.40	6.00	6.50	5.00	5.16	48	B
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	**6.07**	3.60	**3.43**	2.40	2.64	.30	6.00	6.50	5.00	5.00	9	B
Royster Arrow Truck Guano 6-6-5	Baltimore	6.00	**6.05**	3.60	**3.24**	2.40	2.81	.30	6.00	6.10	5.00	5.20	30	A
Royster Dependable Truck Guano 5-10-5	Baltimore	5.00	**5.22**	4.00	**4.06**	1.00	1.16	.80	10.00	10.30	5.00	5.38	294	A
Royster Fertilizer 5-8-12	Baltimore	5.00	**5.03**	4.00	**3.75**	1.00	1.28	.60	8.00	8.40	12.00	12.40	222	A
Royster Fertilizer 5-8-12	Baltimore	5.00	**5.12**	4.00	**3.80**	1.00	1.32	.70	8.00	8.20	12.00	12.32	188	A
Royster Fertilizer 5-8-12	Baltimore	5.00	**5.10**	4.00	**3.95**	1.00	1.15	.80	8.00	8.40	12.00	12.30	210	A
Royster Fertilizer 5-8-12	Baltimore	5.00	**5.23**	4.00	**4.31**	1.00	.92	.70	8.00	8.40	12.00	12.34	202	A
Royster Trojan Guano 4-12-4	Baltimore	4.00	**4.03**	3.20	**2.95**	.80	1.08	.90	12.00	12.10	4.00	4.34	204	A
Royster Prize Guano 4-8-10	Baltimore	4.00	**4.06**	3.20	**3.01**	.80	1.05	.70	8.00	8.30	10.00	10.40	0	
Royster Prize Guano 4-8-10	Baltimore	4.00	**4.10**	3.20	**3.05**	.80	1.05	.50	8.00	8.50	10.00	10.44	55	A
Royster Prize Guano 4-8-10	Baltimore	4.00	**4.11**	3.20	**3.14**	.80	.97	.50	8.00	8.70	10.00	10.20	26	A
Royster Quality Trucker 4-8-7	Baltimore	4.00	**3.88**	3.20	**2.96**	.80	.92	.70	8.00	8.00	7.00	7.30	96	B
Royster Special Trucker 4-8-5	Baltimore	4.00	**4.03**	3.20	**2.96**	.80	1.07	.80	8.00	8.20	5.00	5.40	82	A
Royster Special Trucker 4-8-5	Baltimore	4.00	**4.06**	3.20	**3.05**	.80	1.01	.60	8.00	8.50	5.00	5.48	17	A
Royster Special Trucker 4-8-5	Baltimore	4.00	**4.07**	3.20	**3.00**	.80	1.07	.50	8.00	8.40	5.00	5.36	24	A
Royster Curlew Guano 3-12-6	Baltimore	3.00	**2.97**	2.40	**2.16**	.60	.81	.60	12.00	12.30	6.00	6.10	18	A
Royster Favorite Guano 3-8-10	Baltimore	3.00	**3.00**	2.40	**2.19**	.60	.81	.50	8.00	8.50	10.00	10.40	36	A
Royster Favorite Guano 3-8-10	Baltimore	3.00	**3.00**	2.40	**2.25**	.60	.75	.50	8.00	8.50	10.00	10.20	34	B
Royster Favorite Guano 3-8-10	Baltimore	3.00	**2.99**	2.40	**2.14**	.60	.85	.40	8.00	8.80	10.00	10.36	23	A
Royster Favorite Guano 3-8-10	Baltimore	3.00	**2.98**	2.40	**2.25**	.60	.73	.60	8.00	8.30	10.00	10.40	58	A
Royster Master Grain Guano 2-12-6	Baltimore	2.00	**1.98**	1.60	**1.41**	.40	.57	1.00	12.00	12.10	6.00	6.30	6	B
Royster Gem Grain Guano 2-12-4	Mt. Lake Park	2.00	**2.02**	1.60	**1.27**	.40	.75	.60	12.00	12.20	4.00	4.19	14	A

* Total phosphoric acid. ‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
F. S. Royster Guano Co., Baltimore, Md. (Continued)													
Royster Gem Grain Guano 2-12-4	Baltimore	2.00	**1.99**	1.60	**1.31**	.40	**.68**	**.50**	12.00	**12.10**	4.00	**4.18**	**0**
Royster Big Bully Guano 2-9-5	Mt. Lake Park	2.00	**1.99**	1.60	**1.33**	.40	**.66**	**.60**	9.00	**9.70**	5.00	**6.00**	**13 A**
Royster Big Bully Guano 2-9-5	Baltimore	2.00	**2.06**	1.60	**1.48**	.40	**.58**	**.70**	9.00	**9.40**	5.00	**5.40**	**31 B**
Royster Big Bully Guano 2-9-5	Baltimore	2.00	**1.90**	1.60	**1.24**	.40	**.66**	**.50**	9.00	**9.40**	5.00	**5.36**	**13 B**
Royster Banner Guano 2-8-10	Baltimore	2.00	**2.04**	1.60	**1.47**	.40	**.57**	**.40**	8.00	**8.80**	10.00	**10.08**	**51 B**
Royster Surety Guano 1-10-5	Baltimore	1.00	**1.29**	.60	**.79**	.40	**.50**	**.40**	10.00	**10.50**	5.00	**6.10**	**18 B**
Royster Phosphate and Potash 0-10-10	Baltimore	.....	.....	.....	.....	.....	.....	**.60**	10.00	**10.90**	10.00	**10.30**	.....
Royster Phosphate and Potash 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	**.80**	12.00	**12.50**	5.00	**6.60**	.....
Royster Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**1.10**	20.00	**20.10**	.....	.....	.....
Royster Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	**.90**	16.00	**16.20**	.....	.....	.....
Royster Kainit 0-0-20	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**21.20**	.....
Wm. G. Scarlett & Co., Baltimore, Md.													
Greenway Brand Domestic Sheep Manure 1.85-TPA. 1-1.75	Baltimore	1.85	**1.97**	.....	.....	.....	.....	.....	*1.00	***1.70**	1.75	**3.10**	.....
Scarlett's Greenway Brand Bone Meal 2.50-TPA. 24-0	Baltimore	2.50	**2.53**	.....	.....	.....	.....	.....	*24.00	***24.20**	.....	.....	.....
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.													
Esskay Plant Food 5-9-4	Baltimore	5.00	**6.21**	.....	**.06**	5.00	**6.15**	**2.90**	9.00	**8.30**	4.00	**4.04**	**121 B**
Esskay Raw Bone Meal 3.50-TPA. 25-0	Baltimore	3.50	**3.96**	.....	.....	.....	.....	.....	*25.00	***25.10**	.....	.....	.....
R. H. Slingluff Fertilizer Co., Baltimore, Md.													
Slingluff's 10% Tobacco Bed Mixture 10-5-2	Clinton	10.00	**10.14**	8.50	**8.68**	1.50	**1.46**	**.40**	5.00	**5.30**	2.00	**2.21**	**778 A**
Slingluff's 10% Tobacco Bed Mixture 10-5-2	Baltimore	10.00	**10.03**	8.50	**8.65**	1.50	**1.38**	**.50**	5.00	**5.70**	2.00	**2.50**	**797 A**
Slingluff's 10% Tobacco Bed Mixture 10-5-2	Baltimore	10.00	**10.01**	8.50	**8.55**	1.50	**1.46**	**.50**	5.00	**5.10**	2.00	**2.32**	**756 A**
Slingluff's Tobacco Bed Mixture 8-5-2	Waldorf	8.00	**8.11**	6.80	**6.88**	1.20	**1.23**	**.50**	5.00	**5.00**	2.00	**2.50**	**609 A**
Slingluff's Tobacco Bed Mixture 8-5-2	Baltimore	8.00	**8.06**	6.80	**6.85**	1.20	**1.21**	**.50**	5.00	**5.00**	2.00	**2.36**	**607 A**
Slingluff's 6% Trucker 6-6-5	Baltimore	6.00	**5.64**	5.10	**4.92**	.90	**.72**	**.60**	6.00	**6.70**	5.00	**5.00**	**403 A**
Slingluff's 6% Trucker 6-6-5	Baltimore	6.00	**5.80**	5.10	**4.77**	.90	**1.03**	**.40**	6.00	**6.80**	5.00	**5.20**	**343 A**
Slingluff's 6% Trucker 6-6-5	Baltimore	6.00	**5.78**	5.10	**4.97**	.90	**.81**	**.50**	6.00	**6.70**	5.00	**5.28**	**315 A**

Slingluff's 6% Trucker 6-6-5	Baltimore	6.00	5.78	5.10	4.97	.90	.81	.50	6.00	6.70	5.00	5.28	315 A
‡Slingluff's 4-12-4	Baltimore	4.00	3.51	3.40	2.72	.60	.79	1.40	12.00	12.50	4.00	4.50	280 A
Slingluff's H. G. Tobacco 4-8-12	Baltimore	4.00	4.09	3.40	3.33	.60	.76	.60	8.00	8.50	12.00	12.80	278 A
‡Slingluff's Long Red Tobacco 4-8-10	Baltimore	4.00	4.18	3.40	3.23	.60	.95	.60	8.00	8.50	10.00	10.20	301 A
‡Slingluff's Tobacco Compound 4-8-7	Baltimore	4.00	3.97	3.40	3.37	.60	.60	.60	8.00	8.70	7.00	7.06	334 A
Slingluff's Truck and Potato 4-8-7	Baltimore	4.00	3.97	3.40	3.35	.60	.62	.50	8.00	8.30	7.00	7.40	271 A
Slingluff's Truck and Potato 4-8-7	Faulkner	4.00	4.06	3.40	2.95	.60	1.11	.60	8.00	8.50	7.00	7.37	63 B
Slingluff's 3-12-6	Baltimore	3.00	3.02	2.55	2.33	.45	.69	1.30	12.00	12.40	6.00	6.40	190 A
Slingluff's Champion Phosphate 2-9-5	Baltimore	2.00	2.01	1.70	1.52	.30	.49	.60	9.00	10.20	5.00	5.40	114 A
Slingluff's Champion Phosphate 2-9-5	Baltimore	2.00	2.01	1.70	1.56	.30	.45	.50	9.00	10.10	5.00	5.58	131 A
Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.90	16.00	16.80	.....	.....	.....
Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	1.00	16.00	16.50	.....	.....	.....
Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	1.10	16.00	16.80	.....	.....	.....
Smith-Douglass Co., Inc., Norfolk, Va.													
Smith Truck Guano 6-6-5	Salisbury	6.00	6.35	4.20	4.44	1.80	1.91	1.20	6.00	6.10	5.00	5.42	16 A
Smith 5-8-12 Fertilizer	Salisbury	5.00	5.22	3.50	3.66	1.50	1.56	.70	8.00	8.20	12.00	12.20	9 B
Smith 4-8-10 Fertilizer	Salisbury	4.00	4.10	2.80	2.81	1.20	1.29	.60	8.00	8.30	10.00	10.16	22 B
Smith 4-8-5 Fertilizer	Salisbury	4.00	3.97	2.80	2.79	1.20	1.18	.90	8.00	8.40	5.00	5.60	8 B
Smith 3-8-10 Fertilizer	Salisbury	3.00	2.88	1.80	1.89	1.20	.99	1.80	8.00	8.10	10.00	10.52	41 B
‡Smith 2-9-5 Fertilizer	Salisbury	2.00	2.05	1.20	1.38	.80	.67	2.80	9.00	8.60	5.00	5.44	17 A
Smith 2-8-10 Fertilizer	Salisbury	2.00	2.22	1.20	1.43	.80	.79	1.10	8.00	8.10	10.00	10.08	115 B
Soil Service, Rehoboth, Del.													
Soil Service 6-6-5	Denton	6.00	6.19	.....	.42	6.00	5.77	.30	6.00	5.40	5.00	5.20	755 B
Soil Service 6-6-5	Denton	6.00	5.86	.....	.28	6.00	5.58	.30	6.00	6.40	5.00	6.68	727 B
Soil Service 0-10-10	Denton	.....	.....	.....	.....	.....	.....	.40	10.00	10.50	10.00	9.32	.....
Southern States Cooperative, Inc., Baltimore, Md.													
S.S.C.Quality 10-5-2 Tobacco Plant Bed Open Formula Fertilizer	St. Leonards	10.00	9.98	9.00	8.61	1.00	1.37	.40	5.00	5.10	2.00	2.32	702 A
S.S.C. Quality Open Formula Super 6-6-5	Baltimore	6.00	5.97	3.60	3.93	2.40	2.04	.70	6.00	6.00	5.00	5.48	65 B
S.S.C. Quality Open Formula Super 6-6-5	Baltimore	6.00	5.97	3.60	3.69	2.40	2.28	.70	6.00	6.60	5.00	5.28	22 B
S.S.C. Quality Open Formula Super 6-6-5	Baltimore	6.00	5.74	3.60	2.97	2.40	2.77	.60	6.00	6.90	5.00	5.44	213 B
S.S.C. Quality Open Formula Super 6-6-5	Baltimore	6.00	5.76	3.60	3.57	2.40	2.19	.80	6.00	6.30	5.00	5.28	96 B
S.S.C. Quality Open Formula Super 5-8-12	Baltimore	5.00	4.53	3.00	2.75	2.00	1.78	.60	8.00	8.50	12.00	12.54	74 A
S.S.C. Quality Open Formula Super 5-8-12	Baltimore	5.00	4.87	3.00	3.03	2.00	1.84	.70	8.00	8.30	12.00	12.42	139 A
S.S.C. Quality Open Formula Baltimore 4-16-4	Baltimore	4.00	3.96	2.40	2.56	1.60	1.40	1.20	16.00	16.70	4.00	4.60	230 B
S.S.C. Quality Open Formula Baltimore 4-16-4	Baltimore	4.00	3.99	2.40	2.56	1.60	1.43	1.20	16.00	16.50	4.00	3.98	251 A

* Total phosphoric acid. ‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Basicity B Acidity A
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	Declared	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Southern States Cooperative, Inc., Balto., Md. (Continued)													
S.S.C. Quality Big Yield 4-12-10	Baltimore	4.00	**3.86**	3.72	**2.96**	.28	**.90**	**.80**	12.00	**12.00**	10.00	**10.32**	**246** A
S.S.C. Quality Open Formula Baltimore 4-12-4	Baltimore	4.00	**4.11**	2.40	**2.70**	1.60	**1.41**	**1.30**	12.00	**12.60**	4.00	**4.50**	**219** A
S.S.C. Quality Open Formula Baltimore 4-12-4	Baltimore	4.00	**4.16**	2.40	**2.72**	1.60	**1.44**	**1.30**	12.00	**12.70**	4.00	**4.40**	**201** A
S.S.C. Quality Open Formula Baltimore 4-12-4	Baltimore	4.00	**4.02**	2.40	**2.53**	1.60	**1.49**	**1.00**	12.00	**12.80**	4.00	**4.60**	**187** A
S.S.C. Quality Open Formula 4-8-10	Baltimore	4.00	**3.65**	2.40	**2.33**	1.60	**1.32**	**.80**	8.00	**8.70**	10.00	**10.40**	**52** B
S.S.C. Quality Big Yield 4-8-7	Baltimore	4.00	**4.14**	3.40	**3.38**	.60	**.76**	**.60**	8.00	**8.40**	7.00	**7.36**	**260** A
S.S.C. Quality Big Yield 4-8-7	Baltimore	4.00	**4.00**	3.40	**3.29**	.60	**.71**	**.60**	8.00	**8.50**	7.00	**7.14**	**313** A
S.S.C. Quality Big Yield 4-8-7	Baltimore	4.00	**4.00**	3.40	**3.29**	.60	**.71**	**.50**	8.00	**8.30**	7.00	**7.00**	**232** A
S.S.C. Quality Big Yield 4-8-7	Baltimore	4.00	**4.16**	3.40	**3.51**	.60	**.65**	**.60**	8.00	**8.50**	7.00	**7.22**	**321** A
S.S.C. Quality Big Yield 4-8-7	Baltimore	4.00	**4.04**	3.40	**3.59**	.60	**.45**	**.40**	8.00	**8.40**	7.00	**7.46**	**330** A
S.S.C. Quality Big Yield 4-8-7	Baltimore	4.00	**4.04**	3.40	**3.65**	.60	**.39**	**.50**	8.00	**8.40**	7.00	**7.34**	**273** A
S.S.C. Quality Open Formula 4-8-7	Baltimore	4.00	**3.97**	2.40	**2.46**	1.60	**1.51**	**.70**	8.00	**9.00**	7.00	**8.20**	**17** A
S.S.C. Quality Open Formula 4-8-7	Hagerstown	4.00	**4.04**	2.40	**2.60**	1.60	**1.44**	**.80**	8.00	**8.00**	7.00	**7.30**	**178** B
S.S.C. Quality Open Formula 4-8-7	Baltimore	4.00	**4.00**	2.40	**2.46**	1.60	**1.54**	**.80**	8.00	**9.10**	7.00	**7.40**	**61** A
S.S.C. Quality Open Formula 4-8-7	Baltimore	4.00	**3.99**	2.40	**2.60**	1.60	**1.39**	**.70**	8.00	**8.50**	7.00	**7.20**	**73** B
S.S.C. Quality Open Formula 4-8-5	Baltimore	4.00	**4.17**	2.40	**2.67**	1.60	**1.50**	**1.10**	8.00	**8.10**	5.00	**5.37**	**45** B
S.S.C. Quality Open Formula 4-8-5	Baltimore	4.00	**3.82**	2.40	**2.40**	1.60	**1.42**	**.80**	8.00	**8.70**	5.00	**5.35**	**174** A
S.S.C. Quality Open Formula 4-8-5	Baltimore	4.00	**3.61**	2.40	**2.25**	1.60	**1.36**	**1.10**	8.00	**8.50**	5.00	**5.04**	**235** B
S.S.C. Quality Big Yield 4-8-5	Catonsville	4.00	**3.99**	.....	.....	.....	.....	**.60**	8.00	**8.50**	5.00	**5.52**	.....
S.S.C. Quality Open Formula 3-12-6	Baltimore	3.00	**3.06**	1.80	**1.90**	1.20	**1.16**	**1.10**	12.00	**12.00**	6.00	**6.64**	**34** B
S.S.C. Quality Open Formula 3-12-6	Baltimore	3.00	**3.03**	1.80	**1.88**	1.20	**1.15**	**1.00**	12.00	**12.20**	6.00	**6.21**	**29** B
S.S.C. Quality Open Formula 3-3-15	Denton	3.00	**2.91**	1.80	**1.94**	1.20	**.97**	**.40**	3.00	**3.20**	15.00	**15.14**	**570** B
S.S.C. Quality Big Yield 2-12-6	Baltimore	2.00	**2.01**	1.70	**1.47**	.30	**.54**	**.60**	12.00	**13.10**	6.00	**6.30**	**84** A
S.S.C. Quality Big Yield 2-12-6	Owings Mills	2.00	**1.92**	1.70	**1.47**	.30	**.54**	**.60**	12.00	**12.70**	6.00	**6.29**	**41** A
S.S.C. Quality Open Formula 2-12-6	Baltimore	2.00	**2.11**	1.20	**1.50**	.80	**.61**	**.80**	12.00	**12.40**	6.00	**6.12**	**67** B
S.S.C. Quality Open Formula 2-12-4	Baltimore	2.00	**2.18**	1.20	**1.33**	.80	**.85**	**.80**	12.00	**12.00**	4.00	**4.70**	**244** B
S.S.C. Quality Open Formula 2-9-5	Baltimore	2.00	**1.97**	1.20	**1.25**	.80	**.72**	**.80**	9.00	**9.30**	5.00	**5.44**	**342** B
S.S.C. Quality Open Formula 2-9-5	Baltimore	2.00	**2.12**	1.20	**1.24**	.80	**.88**	**.90**	9.00	**10.20**	5.00	**5.44**	**444** B
S.S.C. Quality Open Formula 2-9-5	Baltimore	2.00	**2.50**	1.20	**1.38**	.80	**1.12**	**1.00**	9.00	**10.10**	5.00	**5.44**	**336** B

S.S.C. Quality Open Formula 2-9-5	Baltimore	2.00	**2.12**	1.20	**1.24**	.80	**.88**	**.90**	9.00	**10.20**	5.00	**5.44**	**444** B
S.S.C. Quality Open Formula 2-9-5	Baltimore	2.00	**2.50**	1.20	**1.38**	.80	**1.12**	**1.00**	9.00	**10.10**	5.00	**5.44**	**308** B
S.S.C. Quality Open Formula 2-9-5	Baltimore	2.00	**1.97**	1.20	**1.07**	.80	**.90**	**1.00**	9.00	**9.80**	5.00	**5.34**	**287** B
S.S.C. Quality Big Yield 2-9-5	Baltimore	2.00	**1.92**	1.70	**1.52**	.30	**.40**	**.60**	9.00	**9.70**	5.00	**5.44**	**141** A
S.S.C. Quality Big Yield 2-9-5	Baltimore	2.00	**2.15**	1.70	**1.63**	.30	**.52**	**.70**	9.00	**10.80**	5.00	**5.20**	**92** A
S.S.C. Quality Big Yield 2-9-5	Baltimore	2.00	**2.06**	1.70	**1.68**	.30	**.38**	**.60**	9.00	**10.30**	5.00	**5.12**	**404** B
S.S.C. Quality Big Yield 2-9-5	Baltimore	2.00	**2.12**	1.70	**1.68**	.30	**.44**	**.70**	9.00	**9.70**	5.00	**5.04**	**141** A
S.S.C. Quality Big Yield 2-8-10	Owings Mills	2.00	**2.30**	1.70	**1.50**	.30	**.80**	**.60**	9.00	**10.00**	5.00	**5.28**	**96** A
S.S.C. Quality Open Formula 2-8-10	Baltimore	2.00	**2.11**	1.20	**1.22**	.80	**.89**	**.60**	8.00	**8.60**	10.00	**10.08**	**336** B
S.S.C. Quality Open Formula 2-8-10	Baltimore	2.00	**2.12**	1.20	**1.31**	.80	**.81**	**.50**	8.00	**8.50**	10.00	**10.60**	**403** B
‡S.S.C. Quality Sheep and Goat Manure 1.25-TPA. 1-2	Faulkner	1.25	**1.92**						*1.00	***1.80**	2.00	**4.50**	
S.S.C. Quality Open Formula 0-14-6	Baltimore							**1.00**	14.00	**14.70**	6.00	**6.37**	
S.S.C. Quality Open Formula 0-10-10	Baltimore							**.80**	10.00	**10.40**	10.00	**10.70**	
S.S.C. Quality Big Yield 0-12-5	Baltimore							**1.00**	12.00	**12.10**	5.00	**5.32**	
S.S.C. Quality Open Formula 0-12-5	Baltimore							**1.00**	12.00	**12.20**	5.00	**5.46**	
S.S.C. Quality Open Formula 0-12-5	Baltimore							**.90**	12.00	**12.00**	5.00	**5.90**	
S.S.C. Quality Open Formula 0-12-5	Baltimore							**.80**	12.00	**12.80**	5.00	**5.30**	
S.S.C. Quality Superphosphate 0-20-0	Baltimore							**1.50**	20.00	**20.70**			
S.S.C. Quality Superphosphate 0-20-0	Baltimore							**1.30**	20.00	**20.70**			
S.S.C. Quality Superphosphate 0-20-0	Baltimore							**.90**	20.00	**21.10**			
S.S.C. Quality Big Yield Superphosphate 0-20-0	Baltimore							**1.20**	20.00	**20.80**			
S.S.C. Quality Big Yield Superphosphate 0-16-0	Baltimore							**1.00**	16.00	**16.20**			
S.S.C. Quality Big Yield Superphosphate 0-16-0	Baltimore							**1.30**	16.00	**16.80**			
S.S.C. Quality Superphosphate 0-16-0	Baltimore							**.90**	16.00	**16.00**			
S.S.C. Quality Superphosphate 0-16-0	Baltimore							**1.10**	16.00	**16.60**			
S.S.C. Quality Superphosphate 0-16-0	Baltimore							**1.20**	16.00	**16.60**			
S.S.C. Quality Muriate of Potash 0-0-50	Baltimore										50.00	**50.40**	
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.													
Standard 6-6-5	Cambridge	6.00	**6.50**					**.80**	6.00	**6.00**	5.00	**5.60**	
‡Standard 4-8-10	Denton	4.00	**4.03**	3.20	**3.29**	.80	**.74**	**1.00**	8.00	**8.10**	10.00	**10.40**	**177** A
Standard 4-8-7	Breathedsville	4.00	**4.04**					**1.30**	8.00	**8.30**	7.00	**7.06**	
Standard 4-8-7	Baltimore	4.00	**4.07**	3.20	**3.16**	.80	**.91**	**.80**	8.00	**8.40**	7.00	**7.20**	**23** A
Standard 4-8-5	Baltimore	4.00	**4.14**	3.20	**3.33**	.80	**.81**	**.70**	8.00	**13.20**	5.00	**4.34**	**303** A
Standard 4-8-5	Jessups	4.00	**3.98**					**1.20**	8.00	**8.20**	5.00	**5.44**	
‡Standard 3-3-15	Pocomoke City	3.00	**3.19**	2.40	**2.63**	.60	**.56**	**.60**	3.00	**3.90**	15.00	**15.00**	**216** A

* Total Phosphoric Acid.

‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Basicity B Acidity A
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	Declared	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md. (Continued)													
Standard 2-12-6	Baltimore	2.00	**2.19**	1.60	**1.68**	.40	**.51**	**1.70**	12.00	**12.60**	6.00	**6.30**	**141** A
Standard 2-9-5	Jessups	2.00	**2.49**					**.70**	9.00	**9.10**	5.00	**5.83**	
Standard 2-9-5	Baltimore	2.00	**2.20**	1.60	**1.77**	.40	**.43**	**1.80**	9.00	**9.20**	5.00	**5.52**	**95** A
‡Standard 2-8-10	Denton	2.00	**2.22**	1.60	**1.61**	.40	**.61**	**.70**	8.00	**8.10**	10.00	**10.40**	**64** A
‡Steamed Bone Meal 2.47-TPA. 23-0	Baltimore	2.47	**2.15**						*23.00	*26.40			
Nitrate of Soda 16-0-0	Jessups	16.00	**16.02**										
Nitrate of Soda 16-0-0	Glen Burnie	16.00	**16.06**										
Standard Superphosphate 0-20-0	Baltimore							**1.70**	20.00	**20.40**			
Standard Superphosphate 0-16-0	Reisterstown							**1.40**	16.00	**16.70**			
Standard Superphosphate 0-16-0	Baltimore							**1.60**	16.00	**16.60**			
Muriate of Potash 0-0-50	Jessups										50.00	**52.80**	
‡Kainit 0-0-20	Denton										20.00	**21.40**	
Summers Fertilizer Co., Inc., Baltimore, Md.													
‡Summers' 5-10-5 Fertilizer	Baltimore	5.00	**5.00**	4.50	**4.25**	.50	**.75**	**1.20**	10.00	**10.00**	5.00	**5.50**	**288** A
‡Summers' 4-12-4 Fertilizer	Baltimore	4.00	**4.00**	3.50	**3.49**	.50	**.51**	**1.30**	12.00	**13.10**	4.00	**4.60**	**185** A
‡Summers' Ground Bone Meal 2.40-TPA. 22.88-0	Baltimore	2.40	**2.58**						*22.88	*26.50			
Summers' Genuine Venezuelan Goat Manure 1-TPA. 1-3	Baltimore	1.00	**1.92**						*1.00	*3.30	3.00	**3.26**	
Swift & Co. Fertilizer Works, A Division of Swift & Co., Baltimore, Md.													
Swift's Red Steer Tobacco Grower 8-5-2	Annapolis	8.00	**8.04**	6.40	**6.58**	1.60	**1.46**	**.40**	5.00	**5.50**	2.00	**2.04**	**23** A
Swift's Red Steer 6-6-5	Salisbury	6.00	**5.81**	4.50	**4.30**	1.50	**1.51**	**.50**	6.00	**7.00**	5.00	**5.22**	**14** B
Swift's Red Steer 6-6-5	Baltimore	6.00	**6.01**	4.50	**4.57**	1.50	**1.44**	**.70**	6.00	**6.10**	5.00	**5.40**	**50** B
Swift's Red Steer 5-8-12	Baltimore	5.00	**5.07**	3.75	**3.94**	1.25	**1.13**	**.40**	8.00	**8.80**	12.00	**12.10**	**3** B
Swift's Red Steer 4-12-4	Baltimore	4.00	**3.79**	3.40	**3.27**	.60	**.52**	**1.00**	12.00	**12.10**	4.00	**4.64**	**75** A
Vigoro 4-12-4	Baltimore	4.00	**4.11**	4.00	**4.10**		**.01**	**.70**	12.00	**12.60**	4.00	**4.58**	**48** B
Swift's Red Steer Tobacco Grower 4-8-12	Baltimore	4.00	**3.85**	3.00	**3.08**	1.00	**.77**	**.60**	8.00	**8.60**	12.00	**12.40**	**19** A
Swift's Red Steer Tobacco Grower 4-8-10	Baltimore	4.00	**3.89**	3.00	**3.01**	1.00	**.88**	**.60**	8.00	**9.20**	10.00	**10.20**	**111** A
‡Swift's Red Steer 4-8-10	Baltimore	4.00	**4.00**	3.00	**3.01**	1.00	**.99**	**.50**	8.00	**8.50**	10.00	**10.40**	**58** B

Swift's Red Steer 4-8-7 | Baltimore

Swift's Red Steer 4-8-7	Baltimore	4.00	**3.82**	3.00	**2.91**	1.00	**.91**	.40	8.00	**9.10**	7.00	**7.00**	12 A
Swift's Red Steer 4-8-7	Baltimore	4.00	**4.02**	3.00	**3.02**	1.00	**1.00**	.50	8.00	**8.50**	7.00	**7.35**	37 B
Swift's Red Steer Tobacco Grower 4-8-5	Baltimore	4.00	**4.09**	3.00	**3.28**	1.00	**.81**	.50	8.00	**8.60**	5.00	**5.38**	75 A
Swift's Red Steer 4-8-5	Baltimore	4.00	**4.00**	3.00	**2.90**	1.00	**1.10**	.50	8.00	**8.60**	5.00	**5.20**	12 A
Swift's Red Steer 3-12-6	Baltimore	3.00	**2.99**	2.40	**2.41**	.60	**.58**	1.40	12.00	**12.00**	6.00	**6.56**	48 B
Swift's Red Steer 3-8-10	Baltimore	3.00	**2.94**	2.25	**2.27**	.75	**.67**	.40	8.00	**8.30**	10.00	**10.40**	19 B
Swift's Red Steer 2-12-6	Baltimore	2.00	**1.97**	1.50	**1.52**	.50	**.45**	.80	12.00	**12.30**	6.00	**6.24**	58 A
Swift's Red Steer 2-12-4	Baltimore	2.00	**1.97**	1.50	**1.39**	.50	**.58**	1.30	12.00	**12.20**	4.00	**4.20**	62 A
Swift's Red Steer 2-9-5	Baltimore	2.00	**1.99**	1.50	**1.40**	.50	**.59**	.60	9.00	**9.00**	5.00	**5.30**	227 B
Swift's Red Steer 2-8-10	Baltimore	2.00	**1.97**	1.50	**1.37**	.50	**.60**	.60	8.00	**8.00**	10.00	**10.40**	42 A
Swift's Red Steer 2-8-10	Baltimore	2.00	**1.98**	1.50	**1.56**	.50	**.42**	.50	8.00	**8.20**	10.00	**10.60**	50 B
Raw Bone Meal Fertilizer 3.70-TPA. 20-0	Hagerstown	3.70	**4.27**	.....	.....	.....	.....	.....	*20.00	***20.60**	.....	.....	.....
Bone Meal Fertilizer 2.47-TPA. 23-0	Baltimore	2.47	**2.45**	.....	.....	.....	.....	.....	*23.00	***24.80**	.....	.....	.....
Bone Meal Fertilizer 2.47-TPA. 23-0	Hagerstown	2.47	**2.74**	.....	.....	.....	.....	.....	*23.00	***23.80**	.....	.....	.....
Sulphate of Ammonia 20.50-0-0	Baltimore	20.50	**20.60**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Swift's Sheep Manure 1.85-TPA. 1-1.75	Baltimore	1.85	**2.06**	.....	.....	.....	.....	.....	*1.00	***1.80**	1.75	**3.18**	.....
Swift's Sheep Manure 1.85-TPA. 1-1.75	Hagerstown	1.85	**2.11**	.....	.....	.....	.....	.....	*1.00	***2.00**	1.75	**2.30**	.....
Swift's Cattle Manure 1.85-TPA. .75-1.50	Baltimore	1.85	**2.20**	.....	.....	.....	.....	.....	*.75	***1.60**	1.50	**2.64**	.....
‡Swift's Cattle Manure 1.85-TPA. .75-1.50	Hagerstown	1.85	**2.02**	.....	.....	.....	.....	.....	*.75	***1.30**	1.50	**2.00**	.....
Swift's Red Steer 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	.60	12.00	**12.00**	5.00	**5.22**	.....
Swift's Red Steer Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	.40	20.00	**20.30**	.....	.....	.....
Swift's Red Steer Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	.40	16.00	**17.00**	.....	.....	.....
Kainit 0-0-20	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**23.60**	.....
Tennessee Corp., Lockland, Ohio													
Loma 5-10-4	Baltimore	5.00	**5.12**	4.00	**4.07**	1.00	**1.05**	.40	10.00	**10.50**	4.00	**4.50**	209 A
Thomas & Co., Gaithersburg, Md.													
Pea Mixture 4-8-5	Gaithersburg	4.00	**3.99**	3.20	**3.12**	.80	**.87**	.50	8.00	**8.50**	5.00	**5.28**	11 A
Wheat and Grass Grower 2-9-5	Gaithersburg	2.00	**1.94**	1.60	**1.64**	.40	**.30**	1.00	9.00	**9.10**	5.00	**6.20**	348 B
Rock and Potash 0-12-5	Gaithersburg	.....	.....	.....	.....	.....	.....	1.60	12.00	**15.90**	5.00	**5.34**	.....
Thomas Supply Co., Adamstown, Md.													
Thomas Wheat Special 2-9-5	Baltimore	2.00	**2.13**	1.60	**1.61**	.40	**.52**	.60	9.00	**10.10**	5.00	**5.12**	78 A
Thomas Wheat Special 2-9-5	Baltimore	2.00	**2.02**	1.60	**1.57**	.40	**.45**	.50	9.00	**10.10**	5.00	**5.12**	201 A
I. P. Thomas & Son Co., Camden, N. J.													
6% Guano 6-6-5	Denton	6.00	**5.84**	4.50	**4.38**	1.50	**1.46**	1.00	6.00	**6.00**	5.00	**5.24**	141 A
I. P. Thomas 4-8-10	Denton	4.00	**4.02**	3.20	**3.00**	.80	**1.02**	1.20	8.00	**8.20**	10.00	**10.44**	193 A
I. P. Thomas 4-8-10	Denton	4.00	**3.99**	3.20	**2.81**	.80	**1.18**	1.30	8.00	**8.20**	10.00	**10.50**	184 A
I. P. Thomas 4-8-7	Denton	4.00	**4.23**	3.20	**2.73**	.80	**1.50**	1.30	8.00	**8.20**	7.00	**7.15**	203 A
I. P. Thomas 4-8-7	Denton	4.00	**3.98**	3.20	**2.42**	.80	**1.56**	1.40	8.00	**8.10**	7.00	**7.37**	157 A

* Total Phosphoric Acid.

‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
L. P. Thomas & Son Co., Camden, N. J. (Continued)													
Royal Guano 4-8-5 Non-Acid	Denton	4.00	**4.18**	3.20	**2.84**	.80	**1.34**	**1.10**	8.00	**8.30**	5.00	**5.52**	5 B
Royal Guano 4-8-5 Non-Acid	Denton	4.00	**4.00**	3.20	**2.50**	.80	**1.50**	**1.00**	8.00	**8.60**	5.00	**5.36**	64 B
I. P. Thomas 3-8-10	Denton	3.00	**2.98**	2.25	**1.70**	.75	**1.28**	**1.20**	8.00	**8.10**	10.00	**10.08**	65 A
‡Sulphate of Ammonia 20.50-0-0	Denton	20.50	**20.50**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
‡Kainit 0-0-20	Denton	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**23.44**	.....
Wm. B. Tilghman Co., Inc., Salisbury, Md.													
Tilghman's Potato Mixture 7-7-7	Salisbury	7.00	**6.75**	5.25	**3.78**	1.75	**2.97**	**.90**	7.00	**7.30**	7.00	**7.70**	79 A
Tilghman's Potato Mixture 7-7-7	Salisbury	7.00	**7.02**	5.25	**4.62**	1.75	**2.40**	**1.10**	7.00	**7.70**	7.00	**7.22**	257 A
Tilghman's Irish P. Guano 6-6-5	Salisbury	6.00	**6.37**	4.20	**3.71**	1.80	**2.66**	**.70**	6.00	**6.90**	5.00	**5.40**	142 A
Tilghman's Irish P. Guano 6-6-5	Federalsburg	6.00	**5.98**	4.20	**4.04**	1.80	**1.94**	**.60**	6.00	**6.50**	5.00	**5.80**	155 A
Tilghman's Irish P. Guano 6-6-5	Federalsburg	6.00	**5.97**	4.20	**4.10**	1.80	**1.87**	**.70**	6.00	**6.50**	5.00	**5.94**	168 A
Tilghman's Irish P. Guano 6-6-5	Salisbury	6.00	**6.08**	4.20	**4.23**	1.80	**1.85**	**.60**	6.00	**7.00**	5.00	**5.28**	149 A
Tilghman's Q. Brand 6-6-5	Salisbury	6.00	**6.02**	3.60	**3.51**	2.40	**2.51**	**.80**	6.00	**8.10**	5.00	**5.14**	164 A
Tilghman's Standard 5-8-12	Salisbury	5.00	**5.14**	4.00	**4.13**	1.00	**1.01**	**.50**	8.00	**8.90**	12.00	**12.06**	242 A
Tilghman's Standard 5-8-12	Salisbury	5.00	**5.04**	4.00	**4.07**	1.00	**.97**	**.80**	8.00	**8.10**	12.00	**12.10**	128 A
Tilghman's Standard 5-8-12	Federalsburg	5.00	**5.04**	4.00	**4.04**	1.00	**1.00**	**.40**	8.00	**8.70**	12.00	**12.22**	227 A
Tilghman's Tomato Mixture 4-8-10	Salisbury	4.00	**4.17**	3.20	**2.63**	.80	**1.54**	**.80**	8.00	**8.80**	10.00	**10.40**	87 A
Tilghman's Tomato Mixture 4-8-10	Salisbury	4.00	**4.27**	3.20	**3.29**	.80	**.98**	**.90**	8.00	**8.30**	10.00	**10.40**	92 A
Tilghman's Melon Mixture 4-8-7	Salisbury	4.00	**4.09**	2.00	**2.53**	2.00	**1.56**	**1.10**	8.00	**8.00**	7.00	**8.10**	52 A
Tilghman's Melon Mixture 4-8-7	Federalsburg	4.00	**4.09**	2.00	**2.47**	2.00	**1.62**	**.90**	8.00	**7.60**	7.00	**8.20**	34 B
Tilghman's Melon Mixture 4-8-7	Federalsburg	4.00	**4.10**	2.00	**2.67**	2.00	**1.43**	**.70**	8.00	**8.80**	7.00	**8.12**	51 A
Tilghman's Regular 4-8-7	Federalsburg	4.00	**3.96**	3.20	**3.29**	.80	**.67**	**.80**	8.00	**8.80**	7.00	**7.53**	159 A
Tilghman's Regular 4-8-7	Federalsburg	4.00	**4.27**	3.20	**3.29**	.80	**.98**	**.80**	8.00	**9.30**	7.00	**7.39**	190 A
Tilghman's Early Truck 4-8-5	Salisbury	4.00	**4.21**	3.20	**3.26**	.80	**.95**	**.70**	8.00	**8.40**	5.00	**5.38**	135 A
Tilghman's Early Truck 4-8-5	Salisbury	4.00	**4.25**	3.20	**3.34**	.80	**.91**	**.80**	8.00	**8.60**	5.00	**5.34**	150 A
Tilghman's Early Truck 4-8-5	Federalsburg	4.00	**3.99**	3.20	**3.20**	.80	**.79**	**.80**	8.00	**8.70**	5.00	**5.50**	130 A
Tilghman's Mixture B. 3-8-10	Salisbury	3.00	**3.16**	2.40	**2.23**	.60	**.93**	**.30**	8.00	**9.20**	10.00	**10.16**	67 A
Tilghman's Special 2-9-5	Salisbury	2.00	**2.13**	1.60	**1.60**	.40	**.53**	**.80**	9.00	**9.40**	5.00	**5.38**	66 B
Tilghman's S. P. 2-8-10	Federalsburg	2.00	**2.63**	1.60	**1.92**	.40	**.71**	**1.10**	8.00	**8.80**	10.00	**10.08**	110 B
Tilghman's S. P. 2-8-10	Salisbury	2.00	**2.16**	1.60	**1.76**	.40	**.40**	**.80**	8.00	**8.10**	10.00	**10.40**	25 B

Tilghman's Ten-Ten 0-10-10	Salisbury							1.20	10.00	10.10	10.00	10.24	
Tilghman's Superphosphate 0-16-0	Salisbury							1.00	16.00	16.50			
Tilghman's Kainit 0-0-20	Salisbury										20.00	23.92	
Towson Nurseries, Inc., Towson, Md.													
‡Towson Lawn Food 10-6-4	Towson	10.00	9.26	7.00	4.77	3.00	4.49	1.50	6.00	8.10	4.00	4.68	558 A
F. W. Tunnell & Co., Inc., Philadelphia, Pa.													
Tunnell's 4-8-10 Fertilizer	Colora	4.00	4.04	3.00	2.93	1.00	1.11	1.10	8.00	8.40	10.00	10.08	80 A
Tunnell's 4-8-7 Fertilizer	Colora	4.00	4.02	3.00	2.89	1.00	1.13	.90	8.00	8.40	7.00	7.06	44 A
Tunnell's 3-12-6 Fertilizer	Colora	3.00	3.05	2.25	2.22	.75	.83	1.30	12.00	12.20	6.00	6.75	151 A
Tunnell's 2-9-5 Fertilizer	Queen Anne	2.00	2.12	1.00	1.32	1.00	.80	1.00	9.00	9.70	5.00	5.20	61 B
Tunnell's 2-8-10 Fertilizer	Colora	2.00	2.06	1.00	1.36	1.00	.70	.90	8.00	8.60	10.00	10.60	24 A
‡Tunnell's 0-12-5 Fertilizer	Colora							1.10	12.00	12.10	5.00	5.36	
‡Tunnell's Superphosphate 0-20-0	Colora							.30	20.00	21.70			
‡Superphosphate 0-16-0	Millington							.20	16.00	21.10			
‡Kainit 0-0-20	Millington										20.00	21.60	
Valliant Fertilizer Co., Laurel, Del.													
On-Top 7-5-4	Salisbury	7.00	7.03	7.00	6.98		.05	.30	5.00	5.50	4.00	4.30	5 A
On-Top 7-5-4	Salisbury	7.00	6.97	7.00	6.97			.40	5.00	5.70	4.00	4.36	45 A
Jewell 6-6-5	Salisbury	6.00	5.97	4.50	4.68	1.50	1.29	.50	6.00	6.60	5.00	5.04	78 B
Jewell 6-6-5	Salisbury	6.00	6.04	4.50	4.61	1.50	1.43	.50	6.00	6.20	5.00	5.82	35 A
Ideal 5-8-12	Salisbury	5.00	4.98	3.25	3.44	1.75	1.54	.60	8.00	8.40	12.00	11.48	20 B
Ideal 5-8-12	Salisbury	5.00	4.98	3.25	3.33	1.75	1.65	.50	8.00	8.00	12.00	12.10	23 B
Winner 4-8-10	Salisbury	4.00	3.96	3.20	3.40	.80	.56	.60	8.00	8.70	10.00	10.00	67 B
Champion 4-8-7	Salisbury	4.00	3.99	3.20	3.30	.80	.69	.40	8.00	8.90	7.00	6.64	82 B
Arcadia 4-8-5	Salisbury	4.00	3.85	3.50	3.30	.50	.55	.40	8.00	9.00	5.00	5.28	76 B
Arcadia 4-8-5	Salisbury	4.00	4.11	3.50	3.45	.50	.66	.60	8.00	8.00	5.00	5.16	61 B
‡Favorite 3-12-6	Salisbury	3.00	1.52	2.30	.95	.70	.57	1.00	12.00	12.20	6.00	5.96	43 B
Quality 3-8-10	Salisbury	3.00	3.26	2.70	2.74	.30	.52	.40	8.00	8.30	10.00	10.24	58 B
‡Royal 0-10-10	Salisbury							.90	10.00	11.00	10.00	10.00	
Superphosphate 0-16-0	Salisbury							1.90	16.00	14.90			
E. S. Valliant & Son, Centreville, Md.													
Booster 6-6-5	Centreville	6.00	5.50	4.50	4.28	1.50	1.22	.20	6.00	6.20	5.00	5.35	133 B
Booster 6-6-5	Centreville	6.00	5.97	4.50	4.51	1.50	1.46	.40	6.00	6.30	5.00	5.20	71 B
Harmony 4-8-7	Centreville	4.00	3.97	3.70	3.54	.30	.43	.30	8.00	8.50	7.00	7.00	74 B
Harmony 4-8-7	Kennedyville	4.00	3.97	3.70	3.44	.30	.53	.40	8.00	8.50	7.00	7.60	132 B
Harmony 4-8-7	Centreville	4.00	3.97	3.70	3.56	.30	.41	.40	8.00	8.10	7.00	7.40	162 B
Standard 4-8-5	Centreville	4.00	4.10	3.70	3.69	.30	.41	.30	8.00	8.70	5.00	5.40	90 B
Standard 4-8-5	Kennedyville	4.00	4.02	3.70	3.62	.30	.40	.50	8.00	8.10	5.00	5.16	117 B

‡ Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
E. S. Valliant & Son, Centreville, Md. (Continued)													
Standard 4-8-5	Centreville	4.00	**4.02**	3.70	**3.57**	.30	**.45**	**.50**	8.00	**9.20**	5.00	**5.60**	**33** A
Valliant's 3-12-6	Centreville	3.00	**2.98**	2.50	**2.43**	.50	**.55**	**.30**	12.00	**12.00**	6.00	**7.29**	**50** B
Valliant's 3-12-6	Centreville	3.00	**3.02**	2.50	**2.44**	.50	**.58**	**.80**	12.00	**12.00**	6.00	**7.29**	**4** B
Favorite 3-8-10	Centreville	3.00	**3.05**	2.70	**2.58**	.30	**.47**	**.40**	8.00	**8.40**	10.00	**10.36**	**65** B
Favorite 3-8-10	Centreville	3.00	**3.06**	2.70	**2.58**	.30	**.48**	**.70**	8.00	**8.60**	10.00	**10.32**	**96** B
Excelsior 2-12-6	Centreville	2.00	**2.12**	1.50	**1.85**	.50	**.27**	**.70**	12.00	**12.00**	6.00	**6.54**	**49** B
Excelsior 2-12-6	Centreville	2.00	**2.19**	1.50	**1.73**	.50	**.46**	**.90**	12.00	**12.30**	6.00	**5.74**	**42** B
Keystone 2-9-5	Centreville	2.00	**2.08**	1.70	**1.92**	.30	**.16**	**.60**	9.00	**9.90**	5.00	**5.34**	**64** B
Winner 2-8-10	Centreville	2.00	**1.81**	1.70	**1.46**	.30	**.35**	**.50**	8.00	**9.10**	10.00	**9.98**	**124** B
Winner 2-8-10	Centreville	2.00	**2.06**	1.70	**1.77**	.30	**.29**	**.60**	8.00	**8.90**	10.00	**10.02**	**34** B
Animal Base Brand 1-10-5	Centreville	1.00	**.73**	.80	**.60**	.20	**.13**	**.90**	10.00	**11.60**	5.00	**5.46**	**124** B
Valliant's 0-12-10	Centreville	.....	.....	.....	.....	.....	.....	**.60**	12.00	**13.00**	10.00	**10.20**	.....
Valliant's 0-12-10	Centreville	.....	.....	.....	.....	.....	.....	**.60**	12.00	**12.80**	10.00	**10.08**	.....
Grower 0-10-10	Kennedyville	.....	.....	.....	.....	.....	.....	**.70**	10.00	**8.70**	10.00	**14.74**	.....
Grower 0-10-10	Centreville	.....	.....	.....	.....	.....	.....	**1.00**	10.00	**9.50**	10.00	**10.40**	.....
Harvest 0-12-5	Kennedyville	.....	.....	.....	.....	.....	.....	**.80**	12.00	**12.20**	5.00	**5.64**	.....
Harvest 0-12-5	Centreville	.....	.....	.....	.....	.....	.....	**.80**	12.00	**12.20**	5.00	**5.40**	.....
Virginia-Carolina Chemical Corp., Baltimore, Md.													
V-C. 6% Truck Fertilizer 6-6-5	Baltimore	6.00	**5.85**	3.60	**3.62**	2.40	**2.23**	**.60**	6.00	**7.10**	5.00	**5.36**	**1** A
V-C. 6% Truck Fertilizer 6-6-5	Denton	6.00	**5.80**	3.60	**3.64**	2.40	**2.16**	**.50**	6.00	**6.30**	5.00	**5.00**	**54** B
V-C. 6% Truck Fertilizer 6-6-5	Baltimore	6.00	**5.81**	3.60	**3.51**	2.40	**2.30**	**.50**	6.00	**6.80**	5.00	**5.20**	**44** B
V-C. 5-10-5 Fertilizer	Baltimore	5.00	**5.19**	3.75	**3.66**	1.25	**1.53**	**.80**	10.00	**11.00**	5.00	**5.74**	**193** A
V-C. 5-8-12 Fertilizer	Denton	5.00	**4.86**	3.75	**3.51**	1.25	**1.35**	**.70**	8.00	**8.50**	12.00	**12.30**	**19** A
‡V-C. 4-8-12 Fertilizer	Baltimore	4.00	**3.97**	3.00	**2.89**	1.00	**1.08**	**.50**	8.00	**8.70**	12.00	**12.40**	**121** A
V-C. 4-8-10 Fertilizer	Baltimore	4.00	**4.16**	3.00	**3.22**	1.00	**.94**	**.80**	8.00	**7.60**	10.00	**10.36**	**77** A
V-C. 4-8-10 Fertilizer	Baltimore	4.00	**4.02**	3.00	**3.04**	1.00	**.98**	**.70**	8.00	**8.00**	10.00	**10.40**	**39** A
V-C. 4-8-10 Fertilizer	Baltimore	4.00	**4.08**	3.00	**3.02**	1.00	**1.06**	**.70**	8.00	**8.00**	10.00	**10.70**	**39** B
V-C. 4-8-7 Fertilizer	Baltimore	4.00	**3.99**	3.00	**2.90**	1.00	**1.09**	**.70**	8.00	**8.00**	7.00	**7.30**	**37** A
V-C. 4-8-7 Fertilizer	Baltimore	4.00	**3.99**	3.00	**3.01**	1.00	**.98**	**.90**	8.00	**8.00**	7.00	**7.30**	**12** A

V-C. 4-8-7 Fertilizer	Hagerstown	4.00	**3.86**	3.00	**2.88**	1.00	**.98**	**.90**	8.00	**8.60**	7.00	**7.14**	**78** A
V-C. 4-8-5 Fertilizer	Baltimore	4.00	**3.99**	3.00	**2.91**	1.00	**1.08**	**.50**	8.00	**9.40**	5.00	**5.28**	**91** A
V-C. 4-8-5 Fertilizer	Baltimore	4.00	**4.09**	3.00	**3.00**	1.00	**1.09**	**.70**	8.00	**9.10**	5.00	**5.30**	**101** A
V-C. 4-8-5 Fertilizer	Denton	4.00	**4.06**	3.00	**3.02**	1.00	**1.04**	**.30**	8.00	**8.80**	5.00	**5.28**	**151** A
V-C. 3-8-10 Fertilizer	Baltimore	3.00	**2.98**	2.25	**1.99**	.75	**.99**	**.80**	8.00	**8.40**	10.00	**10.34**	**94** A
V-C. 3-8-10 Fertilizer	Baltimore	3.00	**3.02**	2.25	**2.13**	.75	**.89**	**.70**	8.00	**8.40**	10.00	**10.52**	**113** A
V-C. 3-8-10 Fertilizer	Baltimore	3.00	**3.14**	2.25	**2.29**	.75	**.85**	**.40**	8.00	**8.40**	10.00	**10.48**	**98** A
V-C. 3-8-10 Fertilizer	Denton	3.00	**3.02**	2.25	**2.22**	.75	**.80**	**.40**	8.00	**8.40**	10.00	**10.32**	**104** A
V-C. 2-12-6 Fertilizer	Baltimore	2.00	**1.99**	1.50	**1.35**	.50	**.64**	**1.30**	12.00	**12.10**	6.00	**5.98**	**73** A
V-C. 2-12-4 Fertilizer	Baltimore	2.00	**1.99**	1.50	**1.34**	.50	**.65**	**1.10**	12.00	**12.20**	4.00	**4.40**	**74** A
V-C. 2-12-4 Fertilizer	Baltimore	2.00	**2.15**	1.50	**1.57**	.50	**.58**	**1.20**	12.00	**12.20**	4.00	**4.62**	**106** A
V-C. Fish and Potash Mixture 2-9-5	Baltimore	2.00	**2.01**	1.50	**1.24**	.50	**.77**	**1.10**	9.00	**9.40**	5.00	**5.38**	**52** B
V-C. Fish and Potash Mixture 2-9-5	Baltimore	2.00	**2.05**	1.50	**1.22**	.50	**.83**	**1.20**	9.00	**9.30**	5.00	**5.30**	**78** B
V-C. Fish and Potash Mixture 2-9-5	Baltimore	2.00	**2.06**	1.50	**1.25**	.50	**.81**	**1.10**	9.00	**9.30**	5.00	**5.20**	**80** B
V-C. Fish and Potash Mixture 2-9-5	Baltimore	2.00	**1.99**	1.50	**1.12**	.50	**.87**	**.90**	9.00	**9.30**	5.00	**5.37**	**119** B
V-C. Fish and Potash Mixture 2-9-5	Baltimore	2.00	**1.99**	1.50	**1.12**	.50	**.87**	**.90**	9.00	**9.20**	5.00	**5.30**	**139** B
V-C. Fish and Potash Mixture 2-9-5	Hagerstown	2.00	**2.05**	1.50	**1.49**	.50	**.56**	**.90**	9.00	**9.80**	5.00	**5.42**	**43** A
V-C. 2-8-10 Fertilizer	Baltimore	2.00	**2.02**	1.50	**1.32**	.50	**.70**	**.80**	8.00	**8.80**	10.00	**10.36**	**40** A
V-C. 2-8-10 Fertilizer	Baltimore	2.00	**1.99**	1.50	**1.44**	.50	**.55**	**.70**	8.00	**8.20**	10.00	**10.40**	**76** A
V-C. 2-8-10 Fertilizer	Baltimore	2.00	**1.98**	1.50	**1.17**	.50	**.81**	**.80**	8.00	**8.60**	10.00	**10.20**	**49** A
V-C. 2-8-10 Fertilizer	Baltimore	2.00	**2.01**	1.50	**1.39**	.50	**.62**	**.50**	8.00	**8.60**	10.00	**10.32**	**101** A
‡Raw Bone Meal 3.70-TPA. 20-0	Reisterstown	3.70	**4.02**	.....	.....	.....	.....	.....	*20.00	***20.80**	.....	.....	.....
‡Fine Ground Bone 2.47-TPA. 23-0	Baltimore	2.47	**2.45**	.....	.....	.....	.....	.....	*23.00	***24.20**	.....	.....	.....
‡Sulphate of Ammonia 20.50-0-0	Baltimore	20.50	**20.60**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
V-C. 0-10-10 Fertilizer	Baltimore	.....	.....	.....	.....	.....	.....	**.40**	10.00	**10.00**	10.00	**10.74**	.....
V-C. Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**.60**	20.00	**20.60**	.....	.....	.....
V-C. Superphosphate 0-20-0	Baltimore	.....	.....	.....	.....	.....	.....	**1.20**	20.00	**20.50**	.....	.....	.....
V-C. Superphosphate 0-20-0	Hagerstown	.....	.....	.....	.....	.....	.....	**.60**	20.00	**21.00**	.....	.....	.....
V-C. Superphosphate 0-16-0	Hagerstown	.....	.....	.....	.....	.....	.....	**.70**	16.00	**16.70**	.....	.....	.....
V-C. Superphosphate 0-16-0	Baltimore	.....	.....	.....	.....	.....	.....	**1.00**	16.00	**16.60**	.....	.....	.....
‡High Grade Kainit 0-0-20	Reisterstown	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**21.40**	.....
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.													
Bovung 2-TPA. 2-2	Baltimore	2.00	**1.97**	.....	.....	.....	.....	.....	*2.00	***2.70**	2.00	**2.56**	.....
Westminster Fertilizer Co., Westminster, Md.													
4-8-8	Westminster	4.00	**3.76**	3.25	**2.87**	.75	**.89**	**.40**	8.00	**9.00**	8.00	**8.64**	**180** A
4-8-8	Westminster	4.00	**3.73**	3.25	**2.89**	.75	**.84**	**.40**	8.00	**9.20**	8.00	**9.00**	**89** A
2-12-6	Westminster	2.00	**1.97**	1.40	**1.50**	.60	**.47**	**.60**	12.00	**11.70**	6.00	**7.00**	**112** A
2-12-6	Westminster	2.00	**2.16**	1.40	**1.68**	.60	**.48**	**.50**	12.00	**12.50**	6.00	**7.37**	**126** A
2-9-5	Westminster	2.00	**2.02**	1.40	**1.59**	.60	**.43**	**.60**	9.00	**9.90**	5.00	**6.60**	**14** A

* Total Phosphoric Acid. ‡ Not licensed at time of sampling,

Manufacturer and Brand Name	Sampling Place of	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Westminster Fertilizer Co., Westminster, Md. (Continued)													
2-9-5	Westminster	2.00	**2.19**	1.40	**1.66**	.60	**.53**	**.50**	9.00	**9.90**	5.00	**6.52**	**3** B
Leader 1-10-5	Westminster	1.00	**1.22**	.50	**.83**	.50	**.39**	**.50**	10.00	**10.70**	5.00	**7.20**	**137** B
Superphosphate 0-16-0	Westminster	.....	.....	.....	.....	.....	.....	**.80**	16.00	**16.80**	.....	.....	.....
A. S. Woolley Co., Inc., Seaford, Del.													
Woolley's Better Crop 6-6-5	Federalsburg	6.00	**5.34**	4.80	**3.43**	1.20	**1.91**	**.50**	6.00	**7.90**	5.00	**5.04**	**20** A
‡Woolley's Better Crop Fertilizer 4-8-7	Federalsburg	4.00	**3.76**	3.20	**3.08**	.80	**.68**	**.50**	8.00	**8.40**	7.00	**7.00**	**41** B
Woolley's Pride 4-8-5	Federalsburg	4.00	**4.16**	3.20	**2.88**	.80	**1.28**	**.50**	8.00	**9.00**	5.00	**5.40**	**138** A
Wm. W. Woolston, Towson, Md.													
4-8-7	Towson	4.00	**3.83**	2.85	**2.62**	1.15	**1.21**	**2.60**	8.00	**8.70**	7.00	**6.44**	**75** A
The Worcester Fertilizer Co., Snow Hill, Md.													
‡Worcester's Correct Plant Food Mixture 6-8-6	Pocomoke City	6.00	**6.03**	4.20	**4.13**	1.80	**1.90**	**.70**	8.00	**8.60**	6.00	**6.40**	**380** A
Worcester's Correct Plant Food Mixture 6-6-5	Snow Hill	6.00	**5.42**	4.20	**3.80**	1.80	**1.62**	**.70**	6.00	**6.90**	5.00	**5.90**	**288** A
Worcester's Correct Plant Food Mixture 6-6-5	Pocomoke City	6.00	**6.08**	4.20	**4.23**	1.80	**1.85**	**.20**	6.00	**7.40**	5.00	**5.28**	**342** A
Worcester's Correct Plant Food Mixture 6-6-5	Snow Hill	6.00	**6.00**	4.20	**4.13**	1.80	**1.87**	**.60**	6.00	**6.70**	5.00	**5.30**	**326** A
Worcester's Correct Plant Food Mixture 6-6-5	Snow Hill	6.00	**5.83**	4.20	**4.16**	1.80	**1.67**	**.60**	6.00	**6.60**	5.00	**5.40**	**250** A
Worcester's Gilt Edge 6-6-5	Snow Hill	6.00	**5.98**	3.60	**3.16**	2.40	**2.82**	**.60**	6.00	**6.60**	5.00	**5.40**	**205** A
Worcester's Gilt Edge 6-6-5	Pocomoke City	6.00	**5.97**	3.60	**3.35**	2.40	**2.62**	**.80**	6.00	**6.00**	5.00	**5.30**	**141** A
‡Worcester's Correct Plant Food Mixture 5-8-12	Princess Anne	5.00	**5.14**	3.50	**3.51**	1.50	**1.63**	**.70**	8.00	**8.00**	12.00	**12.54**	**308** A
Worcester's Correct Plant Food Mixture 5-8-12	Snow Hill	5.00	**5.17**	3.50	**3.48**	1.50	**1.69**	**.70**	8.00	**8.60**	12.00	**12.54**	**330** A
Worcester's Correct Plant Food Mixture 5-8-12	Princess Anne	5.00	**4.69**	3.50	**3.22**	1.50	**1.47**	**.60**	8.00	**9.50**	12.00	**12.60**	**269** A

Worcester's Correct Plant Food Mixture 5-8-12	Snow Hill	5.00	**4.16**	3.50	**2.70**	1.50	**1.46**	**.80**	8.00	**9.30**	12.00	**11.18**	**207** A
Worcester's Correct Plant Food Mixture 4-8-10	Princess Anne	4.00	**3.82**	2.80	**2.56**	1.20	**1.26**	**.70**	8.00	**9.30**	10.00	**10.40**	**111** A
Worcester's Correct Plant Food Mixture 4-8-10	Snow Hill	4.00	**4.13**	2.80	**2.76**	1.20	**1.37**	**.90**	8.00	**8.70**	10.00	**10.20**	**167** A
Worcester's Correct Plant Food Mixture 4-8-10	Princess Anne	4.00	**4.00**	2.80	**2.72**	1.20	**1.28**	**.60**	8.00	**8.80**	10.00	**10.45**	**246** A
Worcester's Correct Plant Food Mixture 4-8-7	Snow Hill	4.00	**4.02**	2.80	**2.45**	1.20	**1.57**	**1.10**	8.00	**8.90**	7.00	**6.21**	**130** A
Worcester's Correct Plant Food Mixture 4-8-7	Princess Anne	4.00	**4.18**	2.80	**2.84**	1.20	**1.34**	**.70**	8.00	**8.30**	7.00	**7.25**	**114** A
Worcester's Correct Plant Food Mixture 4-8-7	Snow Hill	4.00	**4.21**	2.80	**2.81**	1.20	**1.40**	**.80**	8.00	**7.80**	7.00	**7.50**	**228** A
Worcester's Correct Plant Food Mixture 4-8-7	Snow Hill	4.00	**4.16**	2.80	**3.13**	1.20	**1.03**	**.60**	8.00	**8.20**	7.00	**7.10**	**131** A
Worcester's Correct Plant Food Mixture 4-8-5	Snow Hill	4.00	**3.90**	2.80	**2.37**	1.20	**1.53**	**1.10**	8.00	**8.90**	5.00	**5.20**	**95** A
Worcester's Correct Plant Food Mixture 4-8-5	Princess Anne	4.00	**4.04**	2.80	**2.75**	1.20	**1.29**	**.70**	8.00	**9.30**	5.00	**4.74**	**169** A
‡Worcester's Correct Plant Food Mixture 3-8-15	Snow Hill	3.00	**2.93**	2.10	**1.81**	.90	**1.12**	**1.00**	8.00	**8.60**	15.00	**15.00**	**118** A
Worcester's Correct Plant Food Mixture 3-8-10	Pocomoke City	3.00	**3.00**	2.10	**2.08**	.90	**.92**	**.80**	8.00	**8.50**	10.00	**10.36**	**65** A
Worcester's Correct Plant Food Mixture 3-8-10	Snow Hill	3.00	**3.14**	2.10	**2.13**	.90	**1.01**	**.90**	8.00	**8.00**	10.00	**10.20**	**92** A
Worcester's Correct Plant Food Mixture 2-8-10	Snow Hill	2.00	**2.15**	1.40	**1.46**	.60	**.69**	**.90**	8.00	**8.90**	10.00	**10.08**	**33** B
Worcester's Correct Plant Food Mixture 2-8-10	Pocomoke City	2.00	**2.13**	1.40	**1.63**	.60	**.50**	**.80**	8.00	**8.90**	10.00	**10.16**	**104** A
Superphosphate 0-16-0	Snow Hill							**.30**	16.00	**16.30**			
‡Worcester's Correct Plant Food Mixture 0-10-10	Snow Hill							**.80**	10.00	**11.60**	10.00	**10.02**	
‡Worcester's Correct Plant Food Mixture Kainit 0-0-20	Snow Hill										20.00	**22.00**	

‡ Not licensed at time of sampling.

FEED ANALYSES

(A) General Feeds

(B) Dog Feeds

(C) Mineral Mixtures

The results obtained in the chemical and microscopical examination of feeds, dog feeds, and mineral mixtures, are found on pages 38 to 115. Feeds are considered seriously deficient as regards chemical analysis when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
E. T. Allen Co., Atlanta, Ga.	
Empire 41% Protein Cottonseed Meal	Bel Air
Empire 41% Protein Cottonseed Meal	Walkersville
Empire 41% Protein Cottonseed Meal	Cardiff
G. A. Allender, Elkton, Md.	
32% Dairy Feed	Elkton
24% Dairy Feed	Elkton
16% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Poultry Mash No. 2	Elkton
Poultry Mash No. 3	Elkton
Dany Scratch Feed	Elkton
C. L. Alexander, New Windsor, Md.	
Laying Mash	New Windsor
Starting & Growing Mash	New Windsor
Allied Mills, Inc., Chicago, Ill.	
44% Protein Soybean Oil Meal	Pocomoke City
*Corn Distillers' Dried Grains	Elkton
Wayne 32% Farm Mix Dairy Feed	Gaithersburg
‡Amco 32% Supplement Dairy Ration	Union Bridge
Wayne 24% Dairy Feed	Oakland
‡*Amco 24% Dairy Ration	Union Bridge
Empire 20% Dairy Ration	Maugansville
Empire 16½% Dairy Feed	Cumberland
Topper 16% Dairy Feed	Maugansville
‡Amco 26% Mash Supplement, with Sardine Oil	Union Bridge
Empire Egg Mash, with Sardine Oil	Cumberland
Empire Egg Mash	Maugansville
Wayne Egg & Breeder Mash, with Sardine Oil	Maugansville
Wayne Egg & Breeder Mash	Maugansville
‡Amco Super Egg Mash, with Sardine Oil	Union Bridge
Wayne Growing Mash, with Sardine Oil	Federalsburg
Wayne Growing Mash, with Sardine Oil	Maugansville
‡Amco Tip Top Mash	Union Bridge
Amco Tip Top Mash	Grantsville
Wayne Flushing Mash	Federalsburg
Wayne Poultry Fattener	Cumberland
Wayne Broiler Ration	Maugansville
*Amco 40% Mineralized Hog Supplement	Union Bridge
Wayne Hog Supplement	Easton
Wayne Hog Supplement	Maugansville
Wayne Pig Starter	Gaithersburg
Wayne Pork Maker	Oakland
Wayne Calf Meal	Federalsburg
Wayne Chick Starter	Maugansville
‡Amco Super Starting & Growing Mash	Union Bridge
Wayne Chick Feed	Cumberland

* Deficeint in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
6.56	41.00	41.59	5.50	5.71	13.00	11.85	5.75	28.54	As declared on sack.	
7.46	41.00	43.26	5.50	6.08	13.00	12.33	6.15	24.72	"	"
7.45	41.00	41.07	5.50	5.89	13.00	12.85	5.80	26.94	"	"
8.01	32.00	33.18	4.00	4.92	9.00	9.04	8.54	36.31	"	"
8.01	24.00	24.46	4.00	4.37	11.00	10.10	7.77	45.29	"	"
10.78	16.00	17.23	3.00	4.35	12.00	12.63	8.33	46.68	"	"
8.59	20.00	22.11	4.50	5.37	9.00	7.71	9.50	46.72	"	"
7.07	17.50	19.39	4.00	4.14	8.00	5.67	6.70	57.03	"	"
10.66	17.50	19.04	4.00	5.06	8.00	7.66	8.10	49.48	"	"
10.83	9.00	10.00	2.50	2.48	5.00	3.00	2.75	70.94	"	"
10.98	18.00	18.18	4.50	4.90	9.00	9.02	9.23	47.69	"	"
8.65	17.00	17.86	5.00	5.10	6.00	4.75	8.23	55.41	"	"
7.57	44.00	45.28	4.50	5.12	6.50	5.63	5.40	31.00	"	"
8.04	28.00	27.38	8.00	7.08	15.00	13.26	3.20	41.04	"	"
8.77	32.00	32.45	4.00	5.22	9.00	8.68	9.64	35.24	"	"
8.01	32.00	33.13	4.00	4.64	9.00	7.79	8.64	37.79	"	"
8.00	24.00	25.43	4.00	4.60	9.00	8.48	7.83	45.66	"	"
8.45	24.00	22.58	4.00	4.17	9.00	8.41	6.94	49.45	"	"
11.00	20.00	21.88	3.00	3.74	12.00	9.86	8.19	45.33	"	"
8.00	16.50	16.94	3.00	4.06	12.00	12.39	7.43	51.18	"	"
8.51	16.00	19.56	3.00	3.39	15.00	10.70	8.88	48.96	"	"
6.69	26.00	27.73	3.50	4.46	10.00	8.29	14.75	38.08	"	"
8.79	18.00	18.60	3.50	4.49	8.00	7.90	8.10	52.12	"	"
6.39	18.00	18.95	3.50	4.26	8.00	8.42	8.70	53.28	"	"
8.97	20.00	20.01	3.50	4.18	8.00	6.44	9.55	50.85	"	"
8.96	20.00	20.36	3.50	4.36	8.00	7.04	9.35	49.93	"	"
8.03	20.00	20.07	3.50	4.88	8.00	6.57	8.15	52.30	"	"
8.83	16.00	16.41	3.50	4.40	7.00	6.15	9.25	54.96	"	"
7.35	16.00	16.67	3.50	4.77	7.00	7.08	8.60	55.53	"	"
8.36	18.00	19.13	3.50	4.97	8.00	7.22	7.50	52.82	"	"
7.62	17.50	17.90	3.50	5.49	7.00	7.38	9.35	52.26	"	"
9.31	20.00	20.27	3.00	3.90	6.00	4.03	11.10	51.39	"	"
8.54	13.50	16.85	3.50	4.24	8.00	7.92	4.55	57.90	"	"
7.98	18.00	19.48	3.50	4.74	8.00	6.76	8.10	52.94	"	"
9.28	40.00	38.62	4.50	4.80	8.00	6.85	11.64	28.81	"	"
10.07	40.00	40.97	4.50	5.84	7.00	7.06	12.13	23.93	"	"
8.26	40.00	41.16	4.50	4.94	7.00	6.60	15.01	24.03	"	"
11.80	18.00	18.32	3.50	4.27	7.00	4.97	7.74	52.90	"	"
8.52	14.00	15.92	3.50	3.90	7.00	7.00	6.60	58.06	"	"
8.25	24.00	24.92	4.00	4.95	7.00	6.83	8.10	46.95	"	"
7.28	17.00	17.81	4.00	5.02	7.00	6.26	8.60	55.03	"	"
8.22	17.00	19.48	3.50	5.52	7.00	5.76	7.70	53.32	"	"
12.51	9.00	11.41	2.00	2.27	4.00	1.46	1.45	70.90	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
American Maize Products Co., New York, N. Y.	
Amaizo Gluten Meal	Baltimore
Cream of Corn Gluten Feed	Gaithersburg
American Stores Co., Philadelphia, Pa.	
*Farmdale Laying Mash	Frostburg
Farmdale Scratch Grains	Frostburg
Amos & Glasgow, Street, Md.	
Amos & Glasgow 20% Egg Mash	Street
Anderson Grain & Feed Co., York, Pa.	
Anderson 32 Dairy Mixing Ration	Denton
Anderson 24 Dairy Feed	Jarrettsville
Anderson 20 Dairy Feed	Upper Marlboro
Anderson 16 Dairy Feed	Westminster
Anderson 16 Dairy Feed	Jarrettsville
‡Anderson 34% Concentrate for Poultry Mashes	Street
Anderson Quality Laying Mash	Street
Anderson Breeder Laying Mash, with Greenmelk	Jarrettsville
‡Anderson Quality Growing Mash	Unionville
J. T. 85% Horse Feed	Upper Marlboro
‡Anderson Quality Starting Mash	Unionville
Anderson All Mash Starter and Grower, with Cod Liver Oil	Jarrettsville
White Rose Developing Grains	Westminster
White Rose Chick Grains	Westminster
White Rose Scratch Grains	Westminster
Anderson Turkey Starting Mash, with Cod Liver Oil	White Hall
‡Anderson Turkey Starting Mash, with Cod Liver Oil	Westminster
Angle Roller Mills, Berkeley Springs, W. Va.	
*Pure Mixed Feed	Big Spring
Pure Soft Winter Wheat Bran	Hancock
Anheuser-Busch, Inc., St. Louis, Mo.	
‡Budweiser Brand Brewers Dried Grains	Washington Grove
‡Cereal Yeast Feed	Chewsville
Anne Arundel County Farmers' Association, Baltimore, Md.	
Anarco 26% Dairy Feed	Baltimore
Anarco Egg Mash	Baltimore
Anarco Growing Mash	Baltimore
Anarco Hog Feed	Baltimore
Anarco Broiler Mash	Baltimore
Anarco Baby Chick Starter	Baltimore
Anarco Baby Chick Grains	Baltimore
Anarco Scratch Feed	Baltimore
Anarco Intermediate Scratch Feed	Baltimore
Arcady Farms Milling Company, Chicago, Ill.	
‡Arcady 32% Dairy Feed	Unionville
Arco 24% Dairy Ration	Unionville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.70	43.00	43.70	1.00	3.27	4.00	1.63	2.35	42.35	As declared on sack.
8.42	25.00	25.97	2.00	3.83	8.50	7.88	7.60	46.30	" "
8.23	20.00	22.82	5.00	4.09	7.00	7.01	11.10	46.75	" "
11.57	10.00	11.58	2.50	2.45	4.00	3.38	1.90	69.12	" "
8.25	20.00	20.09	4.00	4.96	7.50	8.12	8.40	50.18	" "
9.53	32.00	33.40	4.00	3.87	10.00	6.48	9.24	37.48	A.
9.53	24.00	25.53	4.00	4.99	12.00	10.96	7.96	41.03	As declared on sack.
9.22	20.00	23.80	3.50	4.73	12.00	11.86	8.57	41.82	" "
10.66	16.00	18.78	3.50	4.38	12.00	11.94	9.79	44.45	" "
11.45	16.00	18.87	3.50	4.93	12.00	12.94	9.22	42.59	" "
5.49	34.00	36.59	3.50	5.51	6.00	5.54	22.00	24.87	" "
7.34	20.00	20.62	4.00	4.78	8.50	7.62	9.50	50.14	" "
7.13	20.00	20.36	4.00	4.69	7.00	7.19	10.00	50.63	" "
9.64	17.00	18.78	4.00	5.48	7.00	6.91	7.80	51.39	" "
10.39	8.00	8.08	2.50	3.24	12.00	10.40	3.88	64.01	" "
9.28	16.00	17.55	4.00	4.26	7.00	6.19	7.70	55.02	" "
7.17	16.00	16.76	4.00	4.82	7.00	6.82	8.00	56.43	" "
11.71	9.00	9.65	2.50	2.37	5.00	1.97	2.45	71.85	" "
10.70	9.00	10.71	2.00	2.76	5.00	1.41	1.85	72.57	" "
11.81	9.00	9.65	2.50	2.61	5.00	3.12	1.95	70.86	" "
8.28	24.00	24.39	4.00	4.95	6.00	6.65	11.00	44.73	" "
7.75	24.00	25.01	4.00	5.21	6.00	6.03	11.65	44.35	" "
11.35	14.00	11.76	3.00	2.64	6.00	3.43	2.55	68.27	" "
9.89	14.00	14.83	4.00	4.44	9.00	8.78	6.20	55.86	" "
5.37	20.00	26.76	5.00	4.98	20.00	17.41	5.20	40.28	" "
8.72	28.00	29.57	4.00	3.87	7.00	8.23	3.80	45.81	" "
7.23	26.00	25.50	5.00	5.19	9.00	9.35	5.45	47.28	" "
6.61	22.00	23.34	5.00	5.65	8.00	5.98	13.70	44.72	" "
6.82	17.00	19.57	5.00	6.06	6.00	5.82	13.95	47.78	" "
7.39	21.00	21.06	6.00	5.94	7.00	8.12	7.65	49.84	B.
7.01	20.00	20.09	5.00	5.58	7.00	5.63	8.15	53.54	As declared on sack.
8.16	18.00	17.51	4.50	4.54	5.50	4.01	6.05	59.73	" "
8.38	10.00	10.00	2.50	3.72	3.00	1.65	1.65	74.60	" "
11.08	10.00	9.74	2.50	3.59	4.00	2.74	1.65	71.20	" "
10.97	10.00	9.56	2.50	4.68	3.00	2.27	1.80	70.72	" "
9.32	32.00	33.31	3.50	4.76	9.00	9.52	8.61	34.48	" "
10.46	24.00	25.31	3.00	4.26	11.00	9.40	10.67	39.90	" "

A—Also detected Colza Oil Meal.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Arcady Farms Milling Company, Chicago, Ill., (Continued)	
‡Peerless Milk Ration	Unionville
‡Producer's 20% Ready Ration	Unionville
‡Arcady Wonderlas	Unionville
‡Arcady 18% Wonderlas	Unionville
Sunkist Egg Mash	Unionville
Wonderfat Mash	Baltimore
Wonderfat Station Feed	Baltimore
‡Arcady Hog Grower	Unionville
‡Wonder 18% Hog Feed	Unionville
‡Sunkist Coarse Chick Grains	Unionville
‡Sunkist Chick Grains	Unionville
Archer-Daniels-Midland Company, Minneapolis, Minn.	
41% Protein Old Process Soybean Oil Meal	Gaithersburg
32% Protein Old Process Linseed Meal	Frederick
‡Dairyland Dried Skim Milk	Snow Hill
Ashcraft-Wilkinson Company, Atlanta, Ga.	
‡Hi-Pro Brand Prime Peanut Meal 45%	Parkton
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Keymar
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Taneytown
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Hagerstown
The Atlantic Supply Company, Baltimore, Md.	
*Atlantic 55% Meat Scrap	Baltimore
Atlantic 55% Meat Scrap	Ellicott City
*Atlantic 50% Meat and Bone Scraps	Westminster
Atlantic 50% Meat and Bone Scraps	Frederick
*Atlantic 50% Meat and Bone Scraps	Baltimore
Atlantic 58% Fish Meal	Taneytown
Atlantic 58% Fish Meal	Thurmont
H. J. Baker and Brother, New York, N. Y.	
"John Bull Brand" Dried Beet Pulp	Sykesville
The Baltimore Feed and Grain Company, Baltimore, Md.	
BBL 32% Dairy Feed	Baltimore
BBL 24% Dairy Feed	Baltimore
BBL 20% Dairy Feed	Baltimore
BBL 16% Dairy Feed	Baltimore
BBL Egg Mash	Baltimore
BBL Quality Egg Maker Laying Mash	Baltimore
BBL Breeder Mash (Cod Mlk O Lay)	Baltimore
BBL Cod Mlk O Gro	Baltimore
BBL Growing Mash	Baltimore
BBL Broiler Feed	Baltimore
BBL 85% Horse Feed	Baltimore
BBL 40% Horse Feed	Baltimore
BBL Hog Feed	Baltimore

‡ Sampled before registration.
* Deficeint in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
11.17	20.00	20.10	3.00	4.01	12.00	10.58	9.06	45.08	As declared on sack.	
10.16	20.00	22.86	4.00	4.39	10.00	10.25	9.85	42.49	"	"
9.73	30.00	32.04	4.00	4.63	8.00	8.28	10.72	34.60	"	"
10.76	18.00	20.21	4.00	4.60	10.00	9.93	8.79	45.71	"	"
10.30	20.00	20.21	4.00	3.91	8.00	8.68	10.56	46.34	"	"
8.65	12.50	12.55	4.00	3.99	7.00	6.36	7.82	60.63	"	"
8.70	12.50	13.25	4.50	4.67	6.00	6.05	5.06	62.27	"	"
10.84	15.00	18.83	3.50	4.79	9.00	9.30	10.95	45.29	"	"
9.68	18.00	20.29	3.50	5.07	8.00	7.45	11.01	46.50	A.	
12.44	10.00	9.48	2.50	2.69	5.00	1.87	1.35	72.47	B.	
13.79	10.00	10.18	2.50	2.80	5.00	1.72	1.35	70.16	As declared on sack.	
8.06	41.00	44.05	4.50	4.47	7.00	5.49	5.95	31.98	"	"
8.48	32.00	32.64	4.50	4.76	9.00	8.85	6.40	38.87	"	"
.....	32.00	33.70	.50	X.57	.....	.....	8.30	.....	"	" C.
4.51	45.00	45.37	6.00	6.91	12.00	12.67	4.05	26.49	"	"
6.56	41.00	41.24	5.00	6.57	13.00	12.59	5.90	27.14	"	"
7.51	41.00	40.98	5.00	5.27	13.00	13.17	6.20	26.87	"	"
5.38	41.00	41.16	5.00	6.91	13.00	12.42	6.14	27.99	"	"
4.75	55.00	51.92	6.00	7.33	2.00	1.95	33.05	1.00	"	"
5.04	55.00	55.11	6.00	7.61	2.00	1.91	29.74	.59	"	"
6.14	50.00	48.88	8.00	8.62	2.00	2.59	33.65	.12	"	"
5.20	50.00	49.14	8.00	9.38	2.00	1.55	34.62	.11	"	"
5.86	50.00	47.38	8.00	8.06	2.00	1.38	37.06	.26	"	"
6.59	58.00	58.97	6.00	6.54	1.00	.40	21.40	6.10	"	"
6.07	58.00	57.98	6.00	5.86	1.00	.71	21.85	7.53	"	"
8.51	7.00	9.13	0.0	.26	20.00	20.20	4.00	57.90	"	"
9.65	32.00	32.00	4.75	5.13	10.00	9.75	9.06	34.41	"	"
10.75	24.00	26.20	4.25	4.91	10.00	10.29	8.21	39.64	"	"
11.40	20.00	19.94	4.00	4.41	12.00	10.61	8.64	45.00	"	"
10.22	16.00	16.71	3.75	4.38	12.50	12.53	8.38	47.78	"	"
9.85	20.00	20.09	4.00	4.89	8.00	7.38	9.56	48.23	"	"
9.55	20.00	19.92	4.50	5.67	7.00	6.89	10.62	47.35	"	"
9.31	20.00	20.53	4.50	5.49	7.00	6.34	10.36	47.97	"	"
8.49	18.00	17.99	4.00	5.39	6.00	6.35	8.68	53.10	"	"
9.30	18.00	18.95	4.00	4.85	8.50	8.79	9.94	48.17	"	"
8.74	18.00	17.99	4.00	5.99	6.00	5.76	9.38	52.14	"	"
11.55	9.00	9.71	3.00	3.55	9.00	5.49	2.77	66.93	"	"
11.09	9.00	9.63	2.50	2.89	13.00	7.49	5.67	63.23	"	"
9.19	18.00	17.72	4.00	4.52	8.00	6.69	7.76	54.12	"	"

A—Also detected Corn Germ Oil Meal.
B—Unable to detect Millet Seed.
x—Fat as determined by the Roese-Gottlieb Method.
C—Ash Insoluble Ash 0.25%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Baltimore Feed and Grain Company, Baltimore, Md. (Continued)	
BBL Developing Grains	Baltimore
BBL Starter and Grower	Baltimore
BBL Cod Mlk O Chick Starter	Baltimore
BBL Baby Chick Feed	Baltimore
BBL Recleaned Scratch Feed	Baltimore
BBL Special Scratch Feed	Baltimore
Victory Scratch Feed	Baltimore
BBL Special Breeding Pigeon Feed	Baltimore
BBL Breeding Pigeon Feed	Baltimore
The Baltimore Pure Rye Distilling Company, Dundalk, Md.	
Dried Rye Distillers Grains	Aldino
Dried Rye Distillers Grains	Mt. Airy
Barker, Moore & Mein Company, Philadelphia, Pa.	
Barker's Poultry Powder	St. Michaels
Bartlett Frazier Co., St. Louis, Mo.	
Wheat Bran, with Ground Screenings	Rising Sun
The Baugh & Sons Co., Baltimore, Md.	
Duplex Egg Producer Pure Meat Scrap	Princess Anne
Baugh's 45% Meat and Bone Scrap	Denton
Baugh's 58% Fish Meal	Keymar
Baugh's 58% Fish Meal	St. Michaels
Baugh's No. 1 Laying Mash	Salisbury
The Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon "32"	Princess Anne
Beacon "22" Egg Mash, with BM	Cockeysville
Beacon "20" Laying Mash, with BM	Princess Anne
Beacon "16" Growing Mash	Princess Anne
Beacon Fleshing Pellets	Princess Anne
Beacon Breeders Mash, with BM	Princess Anne
Beacon Battery Broiler Feed	Princess Anne
‡Cayuga 16% Pasture and Fitting Ration	Princess Anne
Beacon Complete Starting Ration	Princess Anne
J. L. Beauchamp & Sons, Delmar, Del.	
*Delmar Laying Mash	
J. B. Laying Mash	
J. B. All Mash Grow, with BM and Cod Liver Oil	
Beaumont Rice Mills, Beaumont, Texas.	
*Rice Bran	Baltimore
G. T. Bell & Son, Federalsburg, Md.	
Pure Wheat Bran	Federalsburg
Pure Wheat Middlings	Federalsburg

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.12	10.00	10.18	3.00	3.76	3.00	2.55	1.75	71.64	As declared on sack.
9.37	17.50	17.81	4.00	5.49	6.00	5.05	8.86	53.42	" "
8.28	17.00	17.90	4.00	5.05	5.00	4.99	7.48	56.30	" "
11.11	10.00	11.23	3.00	2.66	3.00	2.29	1.76	70.94	" "
11.55	10.00	9.65	3.00	2.79	3.00	2.51	1.54	71.96	" "
11.19	10.50	9.21	3.00	2.89	2.50	2.51	1.40	72.80	" "
10.54	10.00	9.39	3.00	3.51	3.00	2.79	1.10	72.67	" "
9.92	14.00	14.74	3.00	3.64	5.00	4.19	2.24	65.27	" "
9.69	14.00	15.88	3.00	3.51	5.00	4.62	2.30	64.00	" "
5.24	16.00	17.20	5.00	5.96	20.00	16.37	1.95	53.28	" "
8.17	16.00	16.85	5.00	7.21	20.00	17.01	1.15	49.61	" "
7.18	15.00	20.80	3.50	3.75	16.00	9.47	24.65	34.15	" "
7.66	14.50	17.64	3.50	4.17	11.00	10.70	7.05	52.78	" "
6.24	55.00	55.46	6.00	11.22	3.00	3.69	23.20	.19	" "
5.27	45.00	45.63	6.00	10.19	3.00	2.42	33.72	2.77	" "
6.13	58.00	61.08	5.00	6.64	3.00	.55	18.50	7.10	" "
5.83	58.00	59.76	5.00	9.05	3.00	.59	17.86	6.91	" "
10.83	20.00	20.01	4.00	3.97	7.00	7.07	8.40	49.72	" "
9.67	32.00	32.36	4.50	5.05	8.50	6.60	10.68	35.64	As declared on sack.
7.09	22.00	23.25	4.50	4.88	7.50	6.82	10.85	47.11	" "
7.41	20.00	20.18	4.00	5.10	7.50	7.93	11.30	48.08	" "
8.55	16.00	17.11	4.00	4.45	7.50	7.12	10.70	52.07	" "
9.04	15.00	17.11	3.50	3.89	6.50	6.98	6.35	56.63	" "
10.06	20.00	20.80	4.00	5.07	7.50	6.31	10.70	47.06	" "
8.28	17.00	17.81	4.00	4.71	6.00	6.37	9.15	53.68	" "
11.46	16.00	17.45	3.50	3.50	9.00	9.04	8.41	50.14	" "
8.27	17.50	17.99	4.00	4.31	6.00	6.11	8.44	54.88	" "
11.66	20.00	17.91	4.00	5.61	8.00	8.09	9.30	47.43	" "
10.80	16.00	15.28	4.50	5.15	8.00	8.16	8.07	52.54	" "
9.58	17.00	16.15	4.50	5.74	7.00	8.37	8.00	52.16	" "
10.51	13.00	19.62	13.00	13.16	15.00	11.95	14.92	38.84	" "
7.76	14.50	13.60	4.00	3.56	9.00	11.57	6.34	57.17	" "
9.31	15.00	15.53	4.00	4.35	5.00	4.39	3.15	63.27	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
J. P. Bennett & Son, Mardela Springs, Md.	
Bennett's Best Laying Mash	Mardela Springs
Bennett's Best Growing Mash	Mardela Springs
Bennett's Best Hog Feed	Mardela Springs
Bennett's Best Scratch Feed	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B. F. S. Laying Mash	Berlin
B. F. S. Growing Mash	Berlin
Berlin Milling Co., Inc., Berlin, Md.	
Economy Laying Mash	Salisbury
Economy Starter and Broiler	Berlin
*Economy Starter and Broiler	Berlin
Berlin Milling Co., Inc., Salisbury, Md.	
Pure Wheat Bran	Salisbury
Wheat Middlings, with Ground Screenings	Salisbury
Joseph Beste & Son, Wilmington, Del.	
Beste's Meat and Bone Scrap	Elkton
The Geo. W. Biles Co., Inc., Providence, Md.	
Cecil County Laying Mash	Providence
Cecil County Chick Starting and Growing Mash	Providence
Pure Corn and Oat Chop	Providence
Binger Brothers, Upper Marlboro, Md.	
Red Star Laying Mash, with BM	Upper Marlboro
Red Star Laying Mash, with BM. and Oil	Upper Marlboro
Red Star Broiler Ration	Upper Marlboro
Red Star Pig Meal	Upper Marlboro
Red Star Chic-A	Upper Marlboro
Red Star Developing Scratch	Upper Marlboro
Red Star Scratch Feed	Upper Marlboro
Bisbee Linseed Co., Philadelphia, Pa.	
Bisbee Brand 37% Protein O. P. Linseed Meal	Ellicott City
‡Bisbee Brand 32% Protein O. P. Linseed Meal	Maugansville
W. H. Blakeslee, Wye Mills, Md.	
Pure Wheat Bran	Wye Mills
†Pure Wheat Middlings	Wye Mills
Blamberg Brothers, Inc., Baltimore, Md.	
‡Cornell Brand No. 1 Pigeon Feed	Elkton
‡Cornell Brand Racing Pigeon Feed	Elkton
Blatchford Calf Meal Co., Waukegan, Ill.	
V-D	Newark

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.43	20.00	21.32	4.00	4.38	9.00	7.44	13.80	44.63	As declared on sack.	
11.01	16.00	18.25	4.00	4.31	6.00	5.96	9.15	51.32	"	"
8.93	16.00	18.43	4.00	4.37	10.00	7.37	11.85	49.05	"	"
11.15	8.00	9.74	2.00	3.21	4.00	3.16	4.75	67.99	"	"
6.88	19.00	21.67	4.00	4.85	7.00	5.82	13.00	.47.78	"	"
6.99	17.00	19.92	4.00	5.35	7.00	6.19	9.94	51.61	"	"
8.94	19.00	19.04	5.00	4.89	6.50	9.00	11.30	46.83	"	"
6.61	17.50	18.60	4.50	4.92	5.00	6.06	7.30	56.51	A.	
8.25	17.50	16.37	4.50	4.67	5.00	5.16	8.38	57.17	As declared on sack.	
10.00	15.00	14.22	3.00	3.04	10.00	10.57	6.60	55.57	"	"
10.77	14.50	13.86	4.00	3.69	5.00	4.85	3.30	63.53	"	"
5.68	50.00	50.03	6.00	12.86	3.00	1.67	29.70	.06	"	"
8.07	20.00	21.15	4.00	4.99	6.50	4.82	13.10	47.87	"	"
8.33	17.00	17.55	4.00	4.37	6.50	5.23	8.00	56.52	"	"
7.94	8.00	9.83	4.00	3.63	8.00	5.99	2.75	69.86	"	"
8.92	20.00	20.88	4.50	4.68	7.00	6.55	12.10	46.87	"	"
8.45	20.00	20.71	4.50	4.97	7.00	6.51	12.70	46.66	"	"
8.78	18.00	17.99	5.00	4.69	7.00	6.07	11.35	51.12	"	"
8.43	16.00	15.45	4.00	4.28	7.00	8.23	7.60	56.01	"	"
8.53	15.00	19.92	4.00	5.25	5.00	4.35	9.20	52.75	"	"
9.74	10.00	10.00	2.50	3.48	5.00	2.55	2.05	72.18	"	"
10.54	10.00	9.30	2.50	2.83	5.00	3.13	1.65	72.55	"	"
8.19	37.00	38.70	5.00	5.66	10.00	7.39	6.15	33.91	"	"
7.94	32.00	33.26	5.00	5.78	10.00	8.63	6.85	37.54	"	"
8.62	14.00	14.13	3.50	3.74	10.00	8.07	5.45	59.99	"	"
10.99	14.00	12.29	4.00	2.92	5.00	3.45	2.35	68.00	"	"
10.89	12.10	13.69	3.70	2.90	3.50	3.52	2.35	66.65	"	"
11.10	17.00	17.20	3.00	2.73	4.00	3.32	2.95	62.70	"	"
7.12	31.00	31.41	5.00	6.19	5.00	6.26	9.50	39.52	"	"

B.
C.

A—Also detected Linseed Meal.
B—Acid Insoluble Ash 0.20%.
C—Acid Insoluble Ash 0.49%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Borden Co., New York, N. Y.	
Flaydry Lactoflavin Supplement	Frederick
Bowman Brothers, Gaithersburg, Md.	
Gilt Edge Dairy Feed	Gaithersburg
Gilt Edge Laying Mash	Gaithersburg
Gilt Edge Growing Mash	Gaithersburg
Gilt Edge Hog Feed	Gaithersburg
†Winter Wheat Middlings, with Ground Screenings	Silver Springs
*Gilt Edge Starting Mash	Gaithersburg
Bradley & Baker, Baltimore, Md.	
55% Meat Meal	Ellicott City
50% Meat and Bone Scrap	Linwood
50% Meat and Bone Scrap	Chestertown
50% Meat and Bone Scrap	Baltimore
50% Meat and Bone Scrap	Germantown
45% Meat and Bone Scrap	Baltimore
Fish Meal	Hampstead
Fish Meal	Baltimore
Fish Meal	Chewsville
Steamed Bone Meal	Baltimore
C. H. Braun & Sons, Inc., Baltimore, Md.	
Encore Brand 45% Meat and Bone Scrap	Denton
Encore Brand 45% Meat and Bone Scrap	Baltimore
Encore Brand 60% Digester Tankage	Hampstead
P. M. Brooks, Chestertown, Md.	
Rose Bud Egg Mash	Chestertown
Special Hog Feed	Chestertown
Pure Wheat Bran	Chestertown
Pure Wheat Middlings	Chestertown
Red Dog Flour Middlings	Chestertown
Brooks Supply Co., Reisterstown, Md.	
"Brooks Special" Egg Mash	Reisterstown
"Brooks Special" Starter and Grower	Reisterstown
W. K. Brown, Baltimore, Md.	
‡Ajax Scratch Feed	Baltimore
Herbert Bryant, Inc., Alexandria, Va.	
*50% Meat and Bone Scrap for Poultry	Washington Grove
45% Meat and Bone Scrap for Poultry	Washington Grove
*Pure Ground Fish for Poultry	Washington Grove
*Pure Ground Fish for Poultry	Washington Grove
Bryant's Home 32% Dairy Feed	Washington Grove
Bryant's Home 26% Dairy Feed	Washington Grove
Bryant's 20% Prizewinner Dairy Feed	Washington Grove
Bryant's Home 20% Dairy Feed	Washington Grove

† Deficient in both protein and fat.
* Deficeint in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
.....	18.00	27.20	.50	X 1.38	.....	.....	.11.97	.....	As declared on sack.	
7.03	26.00	27.12	5.00	5.38	9.00	9.48	10.00	40.99	"	"
6.35	19.00	18.46	5.00	5.09	6.00	6.39	13.00	50.71	"	"
8.69	16.00	17.20	3.50	5.56	6.00	5.43	6.45	56.67	"	"
7.99	19.00	18.95	3.00	6.75	8.00	5.43	12.45	48.43	"	"
10.97	15.00	13.51	4.00	3.48	6.00	3.93	2.60	65.51	"	"
8.56	17.00	15.36	3.50	4.82	5.00	5.58	7.15	58.53	"	"
6.15	55.00	56.78	6.00	10.29	3.00	1.36	25.32	.10	"	"
5.26	50.00	51.95	6.00	10.56	3.00	2.18	27.95	2.10	"	"
5.61	50.00	50.55	6.00	10.79	3.00	2.02	30.45	.58	"	"
5.95	50.00	52.82	6.00	10.65	3.00	2.05	27.60	.93	"	"
6.01	50.00	51.86	6.00	10.08	3.00	2.04	29.74	.27	"	"
4.90	45.00	48.35	6.00	10.50	3.00	2.01	26.79	7.45	"	"
5.60	58.00	60.38	6.00	8.51	3.00	.43	19.85	5.23	"	"
7.19	58.00	60.02	6.00	5.78	3.00	.59	20.94	5.48	"	"
6.61	58.00	58.62	6.00	7.02	3.00	.69	21.10	5.96	"	"
2.55	5.00	4.04	.20	.29	4.00	.62	90.50	2.00	"	"
5.88	45.00	48.27	6.00	11.85	3.00	2.25	29.65	2.10	"	"
5.71	45.00	46.42	6.00	11.80	3.00	2.20	33.30	.57	"	"
7.77	60.00	61.25	6.00	8.90	3.00	1.87	19.15	1.06	"	"
9.95	19.00	19.57	4.50	5.14	7.00	6.73	12.45	46.16	"	"
9.93	17.00	17.11	3.50	3.73	7.50	6.56	7.00	55.67	"	"
9.33	12.00	13.95	3.50	3.91	10.00	10.97	6.95	54.89	"	"
9.96	12.00	13.78	3.50	3.71	5.00	5.73	3.65	63.17	"	"
11.01	11.00	12.16	2.00	2.35	2.50	1.67	1.65	71.16	"	"
8.57	18.00	18.25	4.00	4.19	7.00	6.84	6.20	55.95	"	"
7.77	17.00	17.04	4.00	4.43	6.00	7.01	11.30	52.45	"	"
9.02	8.00	9.92	2.50	3.56	5.00	3.57	1.70	72.23	"	"
6.84	50.00	48.88	10.00	11.11	2.00	2.17	25.24	5.76	"	"
6.00	45.00	45.63	10.00	7.80	2.00	1.44	29.40	9.73	"	"
6.50	58.00	61.60	7.00	5.39	1.00	.55	21.35	4.61	"	"
6.82	58.00	55.81	7.00	14.24	1.00	.71	17.80	4.62	"	"
6.26	32.00	32.99	4.00	5.42	9.00	9.98	8.10	37.25	"	"
6.37	26.00	28.78	4.00	4.14	11.00	9.30	8.26	43.15	A.	
6.32	20.00	20.45	5.00	5.03	12.00	10.80	5.50	51.90	A.	
7.31	20.00	22.29	3.50	4.44	9.00	9.15	7.45	49.36	A.	

A—Ingredients on sack differ from license.
x—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Herbert Bryant, Inc., Alexandria, Va. (Continued)	
"HB" Laying Mash	Washington Grove
Bryant's New Deal Laying Mash	Washington Grove
"HB" Growing Mash	Washington Grove
"HB" Growing Mash	Washington Grove
"HB" Broiler Mash	Washington Grove
"HB" All Mash Chick Starter	Washington Grove
John H. Buck, Bel Air, Md.	
Pure Wheat Bran	Bel Air
Pure Wheat Middlings	Bel Air
*Pure Corn Chop	Bel Air
*Pure Corn Bran	Bel Air
The Buckeye Cotton Oil Co., Cincinnati, Ohio.	
Buckeye 41% Protein Cottonseed Meal, Prime Quality	Barnesville
Buckeye 41% Protein Cottonseed Meal, Prime Quality	Frederick
C. W. Burckhalter, Inc., New York, N. Y.	
Burck Brand Powdered Skim Milk	Pocomoke City
Burrus Mill & Elevator Co., Fort Worth, Texas.	
Wheat Bran and Screenings	Baltimore
Calvary Roller Mill, Bel Air, Md.	
*Pure Grain Dairy Ration	Aberdeen
*Calvary Laying Mash	Aberdeen
Pure Wheat Bran	Aberdeen
*Pure Wheat Middlings	Aberdeen
The Cambridge Manufacturing Co., Cambridge, Md.	
‡New-Vim Dairy Feed	Cambridge
‡New-Vim Dairy Feed	Cambridge
‡New-Vim Dairy Feed	Cambridge
‡Gets 'Em Laying Mash	Cambridge
‡Moore's Laying Mash	Cambridge
*‡New-Vim Special Laying Mash	Cambridge
‡New-Vim Super Laying Mash	Cambridge
‡Broiler Mash	Cambridge
‡New-Vim Hog Feed	Cambridge
Pure Wheat Bran	Cambridge
*Pure Wheat Middlings	Cambridge
‡Super Chick Starter	Cambridge
‡New-Vim Fine Chick Scratch	Cambridge
‡New-Vim Scratch Feed Medium	Cambridge
Cannon Valley Milling Co., Minneapolis, Minn.	
Cannon Feed	Grantsville
The A. B. Caple Co., Toledo, Ohio.	
‡Capex Dehydrated Alfalfa Meal	Frederick

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.81	19.00	19.13	5.00	5.49	6.50	6.71	9.03	51.83	A.
9.45	18.00	18.34	4.50	5.07	7.00	8.15	9.75	49.24	As declared on sack.
7.65	16.00	16.50	4.00	4.85	6.00	6.86	8.90	55.24	" "
9.66	16.00	15.45	4.00	4.61	6.00	6.57	8.80	54.91	" "
6.62	20.00	19.92	4.50	4.89	7.00	7.99	9.65	50.93	" "
7.99	18.00	20.63	4.00	4.95	5.00	4.19	8.50	53.74	" "
8.65	14.00	14.22	3.50	3.69	5.00	6.72	5.00	61.72	" "
9.46	14.00	13.78	3.50	3.34	5.00	3.99	3.20	66.23	" "
11.66	9.00	8.07	4.00	2.89	5.00	2.61	1.40	73.37	" "
7.30	6.00	6.84	4.00	2.25	12 00	15.48	1.25	66.88	" "
6.22	41.00	42.21	5.00	6.67	13.00	10.45	8.80	25.65	" "
5.88	41.00	42.21	5.00	6.03	13.00	10.58	7.50	27.80	" "
.....	32.00	33.87	.75	x .74	.....	.....	8.20	.....	" "
6.87	15.00	17.02	4.00	4.31	10.00	10.85	7.35	53.60	" "
8.06	20.00	19.00	4.50	4.34	10.00	7.50	6.10	55.00	" "
7.89	18.00	19.66	5.00	4.28	7.00	8.62	12.60	46.95	" "
8.66	13.00	14.74	3.50	4.03	10.00	7.82	7.15	57.60	" "
11.00	13.00	13.16	4.00	2.93	6.00	2.36	3.90	66.65	" "
11.66	24.00	26.50	4.00	4.48	9.50	9.16	8.31	39.89	" "
10.70	20.00	24.16	4.00	4.60	10.00	9.68	8.27	42.59	B.
10.45	16.00	18.84	3.00	3.77	12.00	10.85	8.12	47.97	As declared on sack.
10.01	20.00	20.37	5.00	4.51	7.00	6.30	11.79	47.02	" "
8.23	20.00	19.92	5.00	6.34	5.00	6.47	10.80	48.24	" "
8.49	20.00	18.82	5.00	5.74	7.00	5.19	11.55	50.21	" "
8.57	20.00	20.36	5.00	5.42	7.00	6.09	11.45	48.11	A.
9.87	17.00	16.67	4.00	5.54	5.00	4.20	7.70	56.02	As declared on sack.
9.83	16.00	18.08	4.50	4.14	9.00	7.84	7.57	52.54	" "
7.51	14.00	13.95	4.00	3.97	10.00	11.55	6.90	56.12	" "
9.93	14.50	13.69	4.00	3.09	5.00	4.52	2.75	66.02	" "
9.35	14.00	15.53	4.00	5.07	5.50	4.62	7.85	57.58	A.
9.54	9.00	10.79	2.50	3.39	3.00	1.68	1.65	72.95	As declared on sack.
9.05	9.00	9.83	2.50	2.12	4.00	2.33	1.30	75.37	" "
9.09	17.00	18.87	2.50	2.45	6.00	2.84	3.05	63.70	" "
5.31	17.00	16.41	2.00	2.66	27.00	27.11	9.16	39.35	" "

A—Ingredients on sack differ from license.
B—Also detected Soybean Oil Meal.
x—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Edmund L. Carr, Manchester, Md.	
‡Maple Grove Laying Mash	Manchester
Carrollton Roller Mills, Union Bridge, Md.	
Carrollton Dairy Feed	Union Bridge
Carrollton Laying Mash	Union Bridge
Carrollton Pig Feed	Union Bridge
Carrollton Starting and Growing Mash	Carrollton
Carter & Yates Milling Co., Centreville, Md.	
*Red Star Laying Mash	Centreville
*Red Star Laying Mash	Centreville
Red Star Pig and Hog Feed	Centreville
Red Star Pig and Hog Feed	Centreville
Pure Wheat Bran	Centreville
Pure Wheat Middlings	Centreville
Red Star Starter and Grower	Centreville
Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 16% Dairy Feed	Rising Sun
Rising Sun Brand Laying Mash, with DBM	Rising Sun
Rising Sun Brand All Mash Grower	Rising Sun
Central Feed Co., Baltimore, Md.	
*Booth's Pigeon Feed	Baltimore
Breeding Pigeon Feed	Baltimore
Central Purchasing Bureau, State of Maryland, Baltimore, Md.	
C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Cambridge
*C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Sykesville
*C. P. B. Dairy Feed	Sykesville
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Jessups
*C. P. B. Dairy Feed	Sykesville
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Sykesville
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Laying Mash	Reisterstown

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.51	20.00	21.41	4.00	4.86	6.50	6.01	9.70	49.51	As declared on sack.	
9.11	17.00	18.16	4.00	4.69	10.00	8.43	3.60	56.01	"	"
8.28	17.50	18.60	4.00	5.61	7.00	6.09	7.85	53.57	"	"
9.58	18.00	19.13	3.50	4.59	4.50	5.34	6.55	54.81	"	"
9.49	18.00	19.57	4.00	4.62	7.00	4.68	7.40	54.24	"	"
8.58	20.00	18.60	4.00	3.97	8.00	6.37	9.60	52.88	"	"
9.07	20.00	16.59	4.00	3.57	8.00	5.89	6.70	58.18	"	"
7.68	18.00	17.20	3.50	3.53	7.00	5.68	6.15	59.76	"	"
7.57	18.00	17.20	3.50	3.49	7.00	6.09	5.45	60.20	"	"
10.07	12.00	14.57	3.00	2.99	10.00	6.39	4.45	61.53	"	"
10.09	12.00	11.85	3.00	2.50	10.00	2.52	2.20	70.84	"	"
8.97	16.00	15.97	4.00	4.69	5.00	7.42	5.10	57.85	"	"
11.85	16.00	18.08	3.50	4.10	12.00	9.02	6.34	50.61	"	"
7.21	20.00	22.46	4.50	4.33	5.50	5.72	11.35	48.93	"	"
7.81	16.00	16.94	4.00	4.34	6.00	5.39	10.10	55.42	"	"
9.40	14.00	14.74	3.00	4.50	4.00	4.66	2.45	64.25	"	"
8.15	11.00	12.46	4.00	4.64	4.50	3.85	2.20	68.70	"	"
11.48	32.00	32.81	5.00	4.97	9.00	7.62	8.01	35.11	"	"
.....	32.00	32.99	5.00	4.30	9.00	8.07	.....	.....	"	"
9.13	32.00	30.00	5.00	4.28	9.00	8.31	6.77	41.51	"	"
12.79	20.00	21.61	4.00	3.74	11.00	7.70	6.80	47.36	"	"
12.53	20.00	21.68	4.00	3.91	11.00	7.87	5.74	48.27	"	"
13.04	20.00	20.82	4.00	3.80	11.00	7.51	5.49	49.34	"	"
12.50	20.00	21.68	4.00	4.25	11.00	8.32	6.66	46.59	"	"
10.92	20.00	20.73	4.00	3.98	11.00	8.51	6.26	49.60	"	"
11.55	20.00	20.07	4.00	3.49	11.00	8.54	5.80	50.55	"	"
9.59	20.00	21.42	4.00	3.88	11.00	7.60	8.30	49.21	"	"
11.26	20.00	22.76	4.00	3.94	11.00	9.53	8.53	43.98	"	"
9.43	20.00	21.21	4.00	3.37	11.00	7.69	8.70	49.60	"	"
9.91	20.00	22.90	4.00	3.94	11.00	8.72	9.64	44.89	"	"
11.42	20.00	22.50	4.00	3.98	11.00	7.65	9.35	45.10	"	"
9.70	20.00	20.95	4.00	4.15	11.00	9.77	6.90	48.53	"	"
9.98	20.00	20.60	4.00	3.62	11.00	8.18	5.55	52.07	"	"
9.74	20.00	20.03	4.00	3.80	11.00	7.61	5.29	53.53	"	"
13.79	12.00	14.44	3.00	3.66	7.00	7.60	5.15	55.36	"	"
12.18	12.00	14.13	3.00	3.05	7.00	7.12	6.25	57.27	A.	
9.09	12.00	13.99	3.00	3.39	7.00	9.70	5.70	58.13	As declared on sack.	
10.10	12.00	12.76	3.00	3.28	7.00	10.06	7.10	56.70	"	"
10.16	12.00	12.08	3.00	3.20	7.00	7.95	5.94	60.67	"	"
7.93	18.00	20.18	4.50	5.90	6.00	5.88	11.35	48.76	"	"

A—Also detected Corn Gluten.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Central Purchasing Bureau, State of Maryland, Baltimore, Md.	(Continued)
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Crownsville
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Sykesville
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Crownsville
C. P. B. Laying Mash	Cheltenham
C. P. B. Laying Mash	Breathedsville
C. P. B. Growing Mash	Breathedsville
C. P. B. Growing Mash	Breathedsville
C. P. B. Growing Mash	Crownsville
*C. P. B. Horse Feed	Crownsville
C. P. B. Horse Feed	Crownsville
*C. P. B. Horse Feed	Crownsville
C. P. B. Hog Meal	Catonsville
C. P. B. Starting Mash	Breathedsville
C. P. B. Starting Mash	Breathedsville
C. P. B. Starting Mash	Crownsville
Central Soya Co., Inc., Fort Wayne, Ind.	
Central Soybean Oil Meal	Frederick
Central Soybean Oil Meal	Sudlersville
Chesapeake Co., Chestertown, Md.	
Chesapeake 50% Meat and Bone Scrap	Chestertown
Chewsville Cooperative Association, Chewsville, Md.	
Thrivont 32% Mixing Ration	Chewsville
Thrivont Milk Maker	Chewsville
Chewsville Maryland Laying Mash	Chewsville
Thrivont Laying Mash	Chewsville
Thrivont Growing Mash	Chewsville
Thrivont Stock Feed	Chewsville
Thrivont Protein-Mineral Supplement for Hogs	Chewsville
Thrivont Pig and Hog Meal	Chewsville
Thrivont Chick Starter and Broiler Ration	Chewsville
Thrivont Intermediate Scratch Grains	Chewsville
Thrivont Scratch Grains	Chewsville
Clark Milling Co., Berryville, Va.	
†‡Pure Wheat Middlings	Hagerstown
Clinton Co., Clinton, Iowa.	
Clinton New Process Soybean Oil Meal	Middleburg
Clinton Corn Gluten Meal	Baltimore
Harry Clipp Successors, Sharpsburg, Md.	
Clipp's Egg Mash	Sharpsburg

* Deficient in protein or fat.
† Deficient in both protein and fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.65	18.00	20.62	4.50	5.17	6.00	6.40	10.05	48.11	As declared on sack.
10.85	18.00	18.95	4.50	5.76	6.00	4.95	11.00	48.49	" "
9.01	18.00	20.01	4.50	7.09	6.00	5.38	11.10	47.41	" "
9.01	18.00	19.13	4.50	6.20	6.00	4.46	11.35	49.85	" "
9.15	18.00	18.87	4.50	5.69	6.00	5.51	11.90	48.88	" "
10.18	18.00	19.83	4.50	6.33	6.00	5.25	10.90	47.51	" "
10.70	18.00	19.83	4.50	5.17	6.00	4.93	10.80	48.57	" "
10.87	18.00	20.27	4.50	5.87	6.00	4.68	11.20	47.11	" "
9.73	16.00	18.08	4.00	4.82	6.00	7.24	9.85	50.28	" "
9.45	16.00	19.31	4.00	6.21	6.00	5.12	9.25	50.66	" "
10.11	16.00	17.02	4.00	6.74	6.00	6.91	9.15	50.07	A.
10.64	9.00	10.13	3.50	2.94	8.00	7.60	3.35	65.34	As declared on sack.
11.70	9.00	9.82	3.50	3.11	8.00	10.40	3.40	61.57	B.
9.53	9.00	10.12	3.50	2.64	8.00	8.47	3.35	65.89	As declared on sack.
8.49	19.00	24.48	4.50	7.16	6.50	5.66	10.15	44.06	C.
8.56	18.00	19.40	4.00	5.17	6.00	6.38	8.00	52.49	As declared on sack.
9.48	18.00	17.99	4.00	5.53	6.00	6.01	8.40	52.59	D.
9.84	18.00	20.18	4.00	6.09	6.00	6.34	8.15	49.40	A.
7.42	41.00	42.30	4.50	6.23	7.00	6.19	6.30	31.56	As declared on sack.
7.99	41.00	43.44	4.50	5.15	7.00	5.95	5.60	31.87	" "
6.51	50.00	49.23	8.00	13.08	3.00	1.56	29.20	.42	" "
8.34	32.00	33.03	4.50	4.99	10.00	9.13	11.36	33.15	" "
8.69	24.00	25.54	4.50	4.56	10.00	8.94	9.35	42.92	" "
7.65	19.00	20.80	4.50	4.41	6.50	4.94	11.20	51.00	" "
11.64	19.00	20.06	5.00	5.38	8.00	5.82	9.67	47.43	" "
9.45	17.00	18.06	4.00	4.97	6.00	5.88	7.50	54.14	" "
11.50	10.00	12.09	3.00	3.85	10.00	9.19	8.90	54.47	" "
6.65	35.00	37.47	4.00	5.14	9.50	8.27	22.70	19.77	" "
11.32	17.00	17.69	4.50	4.47	6.50	6.55	7.48	52.49	" "
9.06	16.50	18.08	4.50	4.72	5.00	5.23	8.85	54.06	" "
9.78	10.00	9.65	2.50	3.18	5.00	2.02	1.75	73.62	" "
9.82	10.00	10.09	2.50	3.36	5.00	2.06	1.70	72.97	" "
13.27	15.00	13.34	4.00	2.38	6.00	2.58	2.80	65.63	" "
7.89	44.00	47.91	.50	.73	7.00	5.41	6.90	31.16	" "
6.24	43.00	47.38	1.00	1.32	4.00	4.89	2.10	38.07	" "
6.79	20.00	20.80	4.50	4.25	6.00	6.64	7.20	54.32	" "

A—Also detected Ground Wheat.
B—Detected Cracked Corn, Crimped Oats, Alfalfa Meal and Molasses.
C—Also small amount of Ground Barley present.
D—In addition to ingredients on license—also detected Wheat and Ground Barley, Ground Oats substituted for Feeding Oat Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Herbert K. Clofine, Philadelphia, Pa.	
Supreme Brand Dried Skim Milk	Pocomoke City
Supreme Brand Dried Skim Milk	Westminster
‡Supreme Brand Condensed Skim Milk	Chewsville
J. Henry Clusman & Co., Baltimore, Md.	
Reliance 24% Dairy Feed	Baltimore
Reliance 16% Dairy Feed	Baltimore
Reliance Laying Mash, with Cod Liver Oil	Baltimore
Reliance Laying Mash	Baltimore
Reliance Growing Mash	Baltimore
Reliance Broiler Mash	Baltimore
Fairfield Horse Feed	Baltimore
Kings Best Horse Feed	Baltimore
Reliance Hog Feed	Baltimore
*Reliance Starter and Grower Mash	Baltimore
Reliance Scratch Feed	Baltimore
The Cohn & Bock Co., Princess Anne, Md.	
C. & B. Laying Mash, with 4% Dried Milk	Princess Anne
C. & B. Broiler Ration	Princess Anne
C. & B. Pig and Hog Meal	Princess Anne
Collis Products Co., St. Paul, Minn.	
Collis Process Dried Buttermilk	Pocomoke City
The G. E. Conkey Co., Cleveland, Ohio.	
Conkeys Y-O (Brand) 32% Supplement Mash	Hagerstown
Conkeys Dairy Feed 32% Protein	Hagerstown
Conkeys Red Seal Dairy Feed 16% Protein	Hagerstown
Conkeys Red Seal Laying Mash	Middleburg
Conkeys Y-O (Brand) Egg Mash	Hagerstown
Conkeys Red Seal Growing Mash	Middleburg
Conkeys Y-O (Brand) Growing Mash	Hagerstown
Conkeys Y-O (Brand) Broiler Mash	Hagerstown
Conkeys Y-O (Brand) 40% Hog Supplement	Hagerstown
Conkeys Y-O (Brand) Pig and Hog Meal	Hagerstown
Conkeys Y-O (Brand) (The Original) Starting Feed	Hagerstown
Conkeys Red Seal Starting Feed	Middleburg
L. A. Conner, Newark, Md.	
Made-Well Laying Mash	Newark
Pure Wheat Bran	Newark
Pure Wheat Middlings	Newark
Made-Well Starter and Broiler Mash	Newark
Consumers Import Co., Inc., New York, N. Y.	
Cico Fish Meal	Mt. Airy
The Continental Milling & Feed Co., Ellicott City, Md.	
Polka Dot Dairy Feed 24%	Ellicott City
Patapsco Dairy Feed 16%	Ellicott City

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
.....	32.00	**33.61**	.25	x **.58**	.....	.....	8.05	.....	As declared on sack.
.....	32.00	**37.03**	.25	x **.33**	.....	.....	7.85	.....	" "
.....	11.00	**13.16**	.....	.....	A28.00	A**29.41**	.....	.....	" "
11.59	24.00	**24.79**	2.50	**3.65**	7.00	**9.21**	**8.89**	**41.87**	" "
10.25	16.00	**20.05**	3.00	**3.59**	14.00	**9.85**	**8.75**	**47.51**	" "
7.09	20.00	**21.06**	4.50	**4.80**	7.00	**7.34**	**11.20**	**48.51**	" "
9.97	20.00	**19.78**	4.00	**5.48**	7.00	**7.90**	**9.55**	**47.32**	" "
10.39	18.00	**17.47**	4.00	**5.59**	7.00	**5.73**	**9.09**	**51.73**	" "
11.59	18.00	**17.22**	3.50	**4.61**	6.50	**6.89**	**9.72**	**49.97**	" "
10.70	9.00	**9.70**	2.50	**3.58**	9.00	**6.60**	**3.92**	**65.50**	" "
11.03	10.00	**11.07**	3.00	**3.74**	12.00	**6.34**	**3.12**	**64.70**	" "
10.24	15.00	**16.92**	3.50	**5.07**	7.00	**7.78**	**7.37**	**52.62**	" "
8.81	17.00	**15.97**	4.00	**6.19**	7.00	**6.55**	**10.25**	**52.23**	" "
10.59	9.00	**9.48**	3.00	**2.95**	5.00	**3.61**	**1.56**	**71.81**	" "
7.97	20.00	**20.53**	4.50	**5.79**	6.00	**6.68**	**11.85**	**47.18**	" "
7.95	18.00	**19.22**	3.50	**3.91**	6.00	**6.49**	**8.35**	**54.08**	" "
7.75	16.00	**18.43**	4.00	**5.25**	5.00	**6.09**	**8.69**	**53.79**	B.
.....	30.00	**31.06**	5.00	x**5.58**	.....	.....	**9.95**	.....	As declared on sack.
8.67	32.00	**33.87**	5.00	**5.71**	8.00	**5.81**	**5.15**	**40.79**	" "
10.00	32.00	**32.90**	3.00	**3.46**	10.00	**8.07**	**7.70**	**37.87**	" "
11.54	16.00	**17.55**	2.00	**3.10**	12.00	**9.28**	**8.42**	**50.11**	" "
10.13	20.00	**20.27**	4.00	**4.34**	8.00	**6.05**	**8.80**	**50.41**	" "
9.01	20.00	**21.15**	4.00	**5.13**	8.00	**6.08**	**9.60**	**49.03**	" "
9.18	18.00	**18.80**	3.50	**4.50**	7.00	**6.36**	**6.45**	**54.71**	C.
9.01	18.00	**17.90**	4.00	**4.87**	7.00	**6.62**	**5.95**	**55.65**	As declared on sack.
8.02	19.00	**20.53**	4.00	**5.02**	7.00	**5.93**	**7.80**	**52.70**	" "
6.56	40.00	**40.10**	5.00	**5.00**	7.00	**4.68**	**10.80**	**32.86**	" "
11.92	18.00	**20.21**	4.00	**4.05**	6.00	**5.63**	**6.79**	**51.40**	D.
6.62	18.00	**19.13**	4.50	**4.61**	7.00	**6.22**	**6.85**	**56.57**	As declared on sack.
9.16	18.00	**18.78**	4.00	**4.48**	7.00	**5.67**	**6.55**	**55.36**	" "
8.66	19.00	**18.30**	5.00	**4.63**	6.00	**6.85**	**8.80**	**52.76**	" "
10.33	13.00	**13.51**	4.00	**3.76**	9.00	**7.66**	**5.00**	**59.74**	" "
9.09	13.00	**13.16**	4.00	**3.69**	6.00	**2.65**	**3.79**	**67.62**	" "
7.35	17.00	**17.81**	5.00	**5.21**	6.00	**6.22**	**11.14**	**52.27**	" "
6.64	58.00	**59.68**	1.00	**9.02**	1.00	**.35**	**20.30**	**4.01**	" "
9.00	24.00	**23.53**	4.00	**4.82**	10.00	**9.66**	**8.47**	**44.52**	" "
10.89	16.00	**18.92**	3.50	**3.56**	12.00	**11.44**	**8.26**	**46.93**	" "

x—Fat as determined by the Roese-Gottlieb Method.
A—Total Solids.
B—Also detected Wheat Bran.
C—Fat guarantee and ingredients on sack differ from license.
D—Fat and Fibre guarantee and ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Continental Milling & Feed Co., Ellicott City, Md. (Continued)	
Polka Dot All Mash Laying Ration	Ellicott City
*Continental Laying Mash	Ellicott City
*Pre-Ferd Laying Mash	Ellicott City
*Polka Dot Laying Mash	Ellicott City
Polka Dot Growing Mash	Ellicott City
Polka Dot All Mash Broiler Ration	Ellicott City
Continental Horse Feed	Ellicott City
Polka Dot Horse Feed	Ellicott City
Pre-Ferd Horse Feed	Ellicott City
Polka Dot Pig Meal	Ellicott City
*Polka Dot Starting Mash	Ellicott City
Polka Dot Developer Grains	Ellicott City
‡Pre-Ferd Developing Grains	Raspeburg
Polka Dot Chick Grains	Ellicott City
Polka Dot Scratch Grains	Ellicott City
*Pre-Ferd Scratch Grains	Ellicott City
H. S. Cramer & Co., Inc., New York, N. Y.	
Beet Pulp	Linwood
D. P. Darne, Sellman, Md.	
Darne's 32% Dairy Feed	Sellman
Dawe's Vitamelk Co., Chicago, Ill.	
*‡Dawe's Vitamelk Concentrated Vitamin Feed	Frederick
Deen & Beck, Fowling Creek, Md.	
Pure Wheat Bran	Fowling Creek
Pure Wheat Middlings	Fowling Creek
Delaware Mills, Inc., Deposit, N. Y.	
*Delaware 32% Dairy Supplement	Ingleside
‡Delaware Sweet 24% Dairy Feed	Ingleside
*Indian Sweet 24% Dairy Feed	Ingleside
Indian Sweet 20% Dairy Feed	Ingleside
Delco Laying Mash (with Cod Liver Oil and Dried Skim Milk)	Ingleside
Delaware 85% Horse Feed	Ingleside
Delco Starter and Broiler Ration (with Dried Skim Milk and Cod Liver Oil)	Ingleside
Indian Scratch Grains	Ingleside
Del-Mar-Va Milling Co., Snow Hill, Md.	
‡Stagg Milk-O-Lene 20% Dairy Feed	Snow Hill
‡Stagg Egg and Breeder Ration	Snow Hill
Pure Wheat Bran	Snow Hill
Pure Wheat Middlings	Snow Hill
‡Stagg Yellow Leg Starter and Broiler	Snow Hill

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.41	15.75	17.90	3.75	3.87	7.00	7.51	8.45	52.86	A.
6.79	20.00	20.71	5.00	4.36	6.00	6.96	9.06	52.12	As declared on sack.
6.26	18.00	19.39	5.00	4.32	7.00	6.29	13.46	50.28	" "
7.64	20.00	20.80	5.00	4.30	6.00	6.99	9.67	50.60	B.
7.40	16.00	19.04	5.00	4.75	7.00	6.55	9.04	53.22	As declared on sack.
6.59	16.00	19.39	5.00	4.59	5.00	6.19	8.94	54.30	" "
9.24	7.00	7.49	2.50	2.48	13.00	12.30	5.84	62.65	" "
11.63	8.00	9.36	2.00	3.38	14.00	7.19	4.93	63.51	" "
11.38	8.00	8.83	2.00	2.79	14.00	11.01	5.63	60.36	" "
7.94	18.00	19.39	4.00	4.49	7.00	7.14	7.72	53.32	" "
9.23	15.00	19.74	5.00	4.15	5.00	5.71	7.75	53.42	" "
11.70	10.00	9.56	2.50	2.74	5.00	2.29	1.80	71.91	" "
11.26	10.00	9.83	2.50	3.02	5.00	2.26	2.30	71.33	" "
9.36	10.00	10.09	2.50	4.51	5.00	1.84	1.90	72.30	" "
9.41	10.00	9.13	2.50	3.25	5.00	2.59	1.36	74.26	" "
9.51	10.00	8.95	2.50	3.45	5.00	2.61	1.40	74.08	" "
6.45	7.00	8.07	.25	.56	22.00	20.99	4.15	59.78	" "
7.65	32.00	32.91	5.00	4.84	9.00	8.92	9.00	36.68	" "
8.66	28.00	19.70	10.00	10.81	2.50	2.51	9.35	48.97	C.
9.91	13.00	12.26	4.00	4.01	9.00	11.79	6.90	55.13	As declared on sack.
9.21	13.00	14.65	4.00	4.93	6.00	6.28	4.50	60.43	" "
8.43	32.00	30.54	4.00	4.49	9.00	7.68	6.43	42.43	D.
9.68	24.00	24.83	4.50	4.67	9.00	7.90	6.57	46.35	D.
11.97	24.00	22.91	4.00	3.59	12.00	10.64	8.46	42.43	D.
10.36	20.00	22.02	4.00	3.67	12.00	10.58	6.97	46.40	D.
9.97	17.00	17.81	4.00	4.29	9.00	7.97	6.20	53.76	E.
10.65	9.00	10.46	3.00	4.10	9.00	8.96	3.93	61.90	As declared on sack.
7.98	18.00	17.99	4.50	5.03	6.00	6.52	6.05	56.43	" "
10.16	10.00	10.09	2.50	2.59	4.00	3.14	1.40	72.62	F.
11.62	20.00	20.63	4.00	4.94	10.00	7.90	7.41	47.50	G.
8.79	20.00	19.26	4.50	4.46	7.00	7.89	11.06	48.54	B.
10.50	14.00	15.32	3.50	3.89	9.00	9.33	6.40	54.56	As declared on sack.
10.57	13.00	13.91	3.50	4.99	6.00	1.77	2.20	66.56	" "
8.11	18.00	18.60	4.00	4.25	6.00	7.02	9.40	52.62	" "

A—Protein and Fat guarantee and ingredients on sack differ from license.
B—Ingredients on sack differ from license.
C—Also detected Soybean Oil Meal.
D—Unable to detect Linseed Oil Meal.
E—Also detected Ground Barley.
F—Unable to detect Sunflower seed.
G—Ingredients on sack differ from license—unable to detect Beet Pulp.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed	Derwood
Derwood 26% Dairy Feed	Derwood
Derwood 20% Dairy Feed	Derwood
Derwood 16% Dairy Feed	Derwood
Derwood Laying Mash	Derwood
Derwood Growing Mash	Derwood
Derwood Hog Feed	Derwood
Derwood Baby Chick Starter	Derwood
Derwood Scratch Grains	Derwood
Derwood Turkey Mash	Derwood
Devilbiss Brothers, New Windsor, Md.	
A-I-Laying Mash	New Windsor
Dickey Brothers, Washington, D. C.	
*Capitol Laying Mash	Hyattsville
*Benning Scratch	Hyattsville
Capitol Scratch Grains	Hyattsville
Dietrich & Gambrill, Inc., Frederick, Md.	
*Gambrill's High Protein Dairy Feed	Mt. Airy
Gambrill's High Protein Dairy Feed	Baltimore
Gambrill's A. I. Dairy Feed	Baltimore
Frederick Dairy Feed	Baltimore
Gambrill's 16% Dairy Feed	Baltimore
Gambrill's Laying Mash	Baltimore
Gambrill's Laying Mash	Berwyn
Gambrill's Growing Mash	Baltimore
*Gambrill's Fattening Mash	Sykesville
Gambrill's Horse Feed	Baltimore
Frederick Horse Feed	Baltimore
Corn Feed Meal	Baltimore
D. & G. Hog Feed Supplement	Hagerstown
D. & G. Pig and Hog Meal	Fallston
D. & G. Wheat Flour Middlings, with M. R. S.	Baltimore
D. & G. Poultry Mixing Supplement	Hagerstown
D. & G. Broiler Mash	Mt. Airy
All Mash Starter and Grower	Mt. Airy
All Purpose Complete Ration Starter-Grower Layer	Baltimore
Gambrill's Chick Starter	Hagerstown
Frederick Chick Grains	Baltimore
Canton Scratch Grains	Baltimore
Gambrill's Developing Scratch	Baltimore
Gambrill's Scratch Feed	Baltimore
Gambrill's Pigeon Feed	Baltimore
William H. Dobley, White Haven, Md.	
18% Laying Mash	White Haven
Pure Wheat Bran	White Haven
Pure Wheat Middlings	White Haven

[1] Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.99	32.00	32.18	4.00	4.09	10.00	7.52	8.65	36.57	As declared on sack.
10.15	26.00	26.27	3.00	3.94	10.00	8.34	8.60	42.70	" "
9.36	20.00	20.61	3.00	3.10	12.00	11.47	9.09	46.37	" "
10.61	16.00	17.11	3.00	3.89	10.00	10.73	9.07	48.59	A.
8.47	20.00	21.76	4.00	5.83	8.00	6.64	9.55	47.75	As declared on sack.
8.51	19.00	20.80	4.00	5.60	7.00	5.27	8.95	50.87	" "
10.45	18.00	21.38	4.50	4.57	8.00	8.56	10.17	44.87	A.
6.75	16.00	16.41	4.00	5.70	7.00	6.85	7.95	56.34	A.
10.97	10.00	9.13	2.50	3.79	4.00	2.65	1.60	71.86	As declared on sack.
8.69	21.00	20.94	4.00	5.95	7.00	9.66	11.23	43.53	" "
6.53	20.00	20.01	4.00	4.81	8.00	8.11	6.90	53.64	" "
9.86	20.00	18.52	5.00	4.69	7.00	6.87	8.20	51.86	" "
11.99	10.00	8.95	3.00	3.02	5.00	3.53	1.55	70.96	" "
12.02	10.00	10.09	2.50	2.86	4.00	2.59	1.75	70.69	" "
8.01	32.00	31.83	5.00	4.46	9.00	9.17	7.06	39.47	" "
8.47	32.00	31.86	5.00	4.71	9.00	8.62	7.53	38.81	" "
10.45	24.00	25.14	4.60	4.37	9.00	8.24	5.57	46.23	" "
10.14	24.00	23.94	4.00	3.98	12.00	10.74	8.08	43.12	" "
10.96	16.00	17.93	3.50	3.67	12.00	9.77	7.38	50.29	" "
9.92	20.00	20.71	5.00	5.59	7.00	6.43	9.46	47.89	" "
8.74	20.00	22.64	5.00	6.17	7.00	6.39	9.75	46.31	" "
9.74	18.00	20.45	4.00	6.25	7.00	5.35	5.84	52.37	" "
10.74	14.00	14.74	4.80	3.53	5.00	4.48	5.25	61.26	" "
10.75	10.00	10.35	3.50	3.41	12.00	6.96	4.76	63.77	" "
11.59	7.00	10.11	2.00	2.77	12.00	10.92	4.02	60.59	" "
11.01	8.00	8.69	3.00	5.35	5.00	3.11	1.47	70.37	" "
6.46	40.00	43.00	4.00	5.21	9.00	6.14	17.20	21.99	" "
9.88	18.00	20.63	4.00	4.05	8.00	6.69	8.35	50.40	" "
10.46	16.00	19.13	4.00	5.01	6.00	4.38	4.50	56.52	" "
8.56	37.00	36.94	4.00	4.40	7.00	4.77	21.35	23.98	" "
8.95	18.00	18.60	4.00	4.80	7.00	6.75	9.35	51.55	" "
8.28	16.00	19.48	4.00	4.67	6.00	4.89	9.30	53.38	" "
10.74	15.00	17.11	4.00	6.28	7.00	5.87	7.24	52.76	" "
8.04	18.00	19.92	4.00	4.81	6.00	4.50	8.70	54.03	" "
10.51	10.00	10.18	2.50	3.09	3.00	2.56	1.94	71.72	" "
10.09	10.00	10.00	2.50	2.95	4.00	2.01	1.42	73.53	" "
11.29	10.00	9.13	2.50	3.65	3.00	2.02	1.58	72.33	" "
11.46	10.00	9.48	2.50	2.55	4.00	2.41	1.60	72.50	" "
11.18	13.00	14.22	3.00	3.19	4.00	4.09	3.17	64.15	B.
10.97	18.00	18.01	4.00	3.99	7.50	5.01	8.78	53.24	As declared on sack.
8.97	12.00	13.69	3.00	3.66	9.00	6.55	5.00	62.13	" "
9.55	12.00	12.37	3.00	3.39	6.00	1.98	2.50	70.21	" "

A—Ingredients on sack differ from license.
B—Unable to detect Flint Corn.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Doughnut Corp. of America, Ellicott City, Md.	
Domaco Pure Winter Wheat Bran	Ellicott City
*Domaco Pure Winter Wheat White Middlings	Ellicott City
Domaco Standard Middlings, with M. R. S.	Ellicott City
Dryden Milling Co., Pocomoke City, Md.	
Dryden's Laying Mash	Pocomoke City
Dryden's Growing Mash	Pocomoke City
Dryden's All Mash	Pocomoke City
Dryden's Broiler Mash	Pocomoke City
*Corn Meal	Pocomoke City
Dryden's Starting Feed	Pocomoke City
Duluth-Superior Milling Div. of Standard Milling Co., Minneapolis, Minn.	
Durum Wheat Bran, with G. S. N. Ex. M. R.	Centreville
Eagle Mills, Pocomoke City, Md.	
R. C. D. Laying Mash	Pocomoke City
Old Virginia Broiler Ration	Pocomoke City
Dryden's Hog Meal	Pocomoke City
Pure Wheat Bran	Pocomoke City
Pure Wheat Middlings	Pocomoke City
Dryden's Chick Starter	Pocomoke City
Eagle Brand Scratch Feed	Pocomoke City
Eagle Roller Mill Co., New Ulm, Minn.	
Eagle Rye Middlings, with Screenings	Baltimore
The Early & Daniel Co., Cincinnati, Ohio	
Tuxedo Dairy 33% Supplement	Oakland
Tuxedo Special 24% Dairy Feed	Oakland
Tuxedo Dairy 24%	Frostburg
*Tuxedo Special 20% Dairy	Oakland
Tuxedo Special Egg Mash	Oakland
Tuxedo Egg Mash	Frostburg
Tuxedo Egg Maker Mash	Oakland
Tuxedo Growing and Developing Mash	Friendsville
Tuxedo Alfalfa and Molasses Feed	Oakland
Tuxedo Pig Meal	Frostburg
Tuxedo Pig Meal	Oakland
Tuxedo Wheat Bran	Lonaconing
Standard Middlings	Oakland
Tuxedo Chop	Frostburg
Tuxedo Starting and Growing All Mash	Friendsville
*Tuxedo Pigeon Feed	Lonaconing
Eastern Grain Growers, Hagerstown, Md.	
Magic Super Poultry Mash	Hagerstown
Magic Super Poultry Mash	Hagerstown

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.84	14.50	17.72	4.00	4.62	9.50	9.68	6.06	55.08	As declared on sack.
7.26	16.00	18.95	5.00	4.45	4.50	5.32	3.74	60.28	" "
7.14	14.00	14.22	3.50	4.22	8.50	9.38	4.80	60.24	" "
8.85	18.00	19.13	4.50	4.84	8.00	8.36	9.30	49.52	" "
6.71	16.00	17.38	3.50	4.95	5.00	6.25	7.55	57.16	" "
7.72	18.00	18.08	3.75	4.18	5.00	5.98	9.55	54.49	" "
8.25	17.50	18.60	4.00	4.54	6.00	8.49	8.10	52.02	" "
9.17	11.00	10.18	5.00	3.40	3.50	1.28	1.30	74.67	" "
7.76	15.50	15.27	3.00	3.94	5.50	6.81	7.25	58.97	" "
7.68	15.00	15.18	4.00	4.64	12.00	9.44	5.20	57.86	" "
8.46	19.00	21.24	5.00	5.47	8.00	8.00	7.80	49.03	As declared on sack.
7.58	18.00	18.60	5.00	5.96	6.00	5.11	9.00	53.75	A.
7.81	18.00	18.06	4.00	4.88	7.00	6.47	6.95	55.83	" "
8.76	13.00	14.83	4.40	3.55	9.00	10.28	5.64	56.94	" "
8.81	14.00	15.88	3.50	4.52	5.00	4.32	3.30	63.17	" "
8.59	16.00	17.20	4.50	5.49	6.00	5.07	7.40	56.25	" "
12.88	10.00	10.09	3.00	2.95	5.00	3.17	1.80	69.11	" "
7.14	15.00	18.08	3.00	3.53	9.50	7.70	4.94	58.61	" "
9.00	33.00	34.21	4.00	4.88	8.50	7.78	9.24	34.89	" "
10.14	24.00	26.09	4.00	3.79	12.00	8.02	8.41	43.55	" "
10.89	24.00	24.09	4.00	4.07	9.00	6.94	8.03	45.98	" "
10.08	20.00	20.56	3.75	3.12	12.00	11.28	8.94	46.02	" "
9.89	20.00	20.37	4.00	4.25	8.00	6.38	7.19	51.92	" "
9.97	18.00	18.06	4.00	4.78	7.50	6.11	8.92	52.16	A.
9.71	20.00	20.78	4.00	4.14	7.00	6.60	9.86	48.91	As declared on sack.
10.62	17.00	18.32	4.00	3.81	6.50	6.04	4.98	56.23	" "
10.07	11.00	10.99	1.00	1.23	27.00	28.19	8.44	41.08	" "
11.31	14.50	15.32	4.00	4.73	7.00	6.47	6.70	55.47	" "
9.59	14.50	15.82	4.00	4.15	7.00	7.45	6.84	56.15	" "
10.14	14.00	15.80	3.00	4.85	11.00	10.63	7.00	51.58	" "
9.88	14.00	14.57	3.00	4.41	7.00	7.73	4.70	58.71	" "
11.40	9.50	9.32	3.00	3.48	9.00	8.85	4.86	62.09	" "
9.86	17.50	18.75	4.00	4.22	5.00	6.21	5.93	55.03	" "
9.16	14.00	12.90	2.50	3.69	4.00	4.02	2.10	68.13	B.
7.65	16.00	19.31	4.00	5.38	6.00	9.28	13.25	45.13	C.
8.10	16.00	19.39	4.00	4.78	6.00	7.00	10.00	50.73	C.

A—Ingredients on sack differ from license.
B—Also detected Corn.
C—Fat and Fibre guarantee and ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Eastern Grain Growers, Hagerstown, Md. (Continued)	
Magic Super Poultry Mash	Hagerstown
Magic Hog Ration	Hagerstown
Magic Scratch Feed	Hagerstown
Eastern Service Corp., Cambridge, Md.	
"Esco" No. 1 Egg Mash	Cambridge
"Esco" Growing Mash	Cambridge
Eastern Shore Feed Co., Easton, Md.	
"Sur-Gain" Egg Mash	Easton
"Sur-Gain" Broiler Mash	Easton
"Sur-Gain" Chick Starter Mash	Easton
"Sur-Gain" Turkey Laying Mash	Easton
Eastern States Farmers' Exchange, Springfield, Mass.	
Producer 17	Salisbury
Breeder Mash	Salisbury
Breeder Mash Pellets	Salisbury
Fattener Mash Pellets	Salisbury
Flushing Mash	Salisbury
Horse Feed	Salisbury
Hog Meal	Salisbury
Starter and Broiler Ration	Salisbury
Scratch Grains 1931	Salisbury
Easton Milling Co., Easton, Md.	
*Talbot 32% Special	Easton
Talbot Laying Mash, with Dried Milk	Easton
Talbot Pasture Feed	Easton
Pure Wheat Bran	Easton
Pure Wheat Middlings	Easton
Talbot Scratch Feed	Easton
B. A. Eckhart Milling Co., Chicago, Ill.	
‡Rye Middlings, with Ground Recleaned Rye Screenings	Frederick
The Eichman Co., Union Bridge, Md.	
Eichman's Big Check Dairy Feed 24%	Union Bridge
*Eichman's Echo Brand Egg Mash	Union Bridge
Eichman's 20% Ultra-Lifed Laying Mash	Union Bridge
*Eichman's Prize Porker Pig and Hog Feed	Union Bridge
Eichman's Chick and Growing Mash	Union Bridge
Englar & Sponseller, Westminster, Md.	
Meadow-Brook Laying Mash	Westminster
Wheat Middlings, with M. R. S.	Westminster
John W. Eshelman & Sons, Lancaster, Pa.	
*Eshelman Red Rose O. P. Soybean Oil Meal	Berlin
Eshelman Red Rose 32 Mixing Ration	Annapolis

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.78	16.00	19.31	4.00	5.72	6.00	6.05	11.90	49.24	A.
8.89	20.00	19.57	5.00	4.79	5.00	7.95	8.40	50.40	B.
11.47	8.00	9.74	2.00	2.46	5.00	3.15	2.65	70.53	C.
8.39	18.50	20.53	4.00	4.33	7.50	7.78	12.80	46.17	D.
8.08	18.00	20.45	4.00	4.54	7.00	6.85	10.40	49.68	As declared on sack.
8.46	17.00	17.20	5.00	4.85	7.00	7.61	8.30	53.58	" "
8.51	18.00	18.08	4.00	4.97	6.00	8.93	7.55	51.96	" "
8.66	18.00	18.69	5.00	5.01	6.00	5.49	6.80	55.35	" "
8.47	20.00	20.53	4.50	5.07	7.00	9.63	8.25	48.05	" "
7.27	17.00	20.09	4.00	4.55	6.00	6.05	10.50	51.54	" "
6.97	20.00	21.24	4.00	4.69	6.00	6.11	10.65	50.34	" "
7.38	20.00	20.80	4.00	4.21	6.00	6.07	11.60	49.94	" "
7.35	14.50	16.15	4.00	4.39	5.00	5.06	3.60	63.45	" "
6.85	18.50	21.06	3.00	3.83	4.50	4.44	8.36	55.46	" "
10.54	10.50	12.30	3.00	3.48	7.00	6.23	5.65	61.80	" "
8.34	14.50	16.41	4.00	3.98	5.00	6.25	9.18	55.84	" "
7.14	18.50	19.66	4.00	4.65	5.00	4.83	8.05	55.67	" "
10.11	9.50	12.11	2.50	3.03	3.00	2.24	1.70	70.81	" "
9.94	32.00	30.62	4.50	5.46	9.00	8.16	10.29	35.53	E.
8.96	18.00	18.52	5.00	4.54	6.00	5.82	11.45	50.71	F.
9.21	16.00	15.94	3.00	3.64	10.00	7.82	7.25	56.14	As declared on sack.
10.66	12.00	13.34	3.50	3.43	10.00	10.07	6.20	56.30	" "
10.51	12.00	14.39	2.50	3.63	3.00	3.49	2.80	65.18	" "
10.01	10.00	9.65	3.00	2.83	4.00	2.43	1.50	73.58	" "
11.73	14.50	17.11	2.50	3.76	10.00	6.35	5.15	55.90	" "
9.80	24.00	25.70	4.00	4.15	10.00	10.36	7.30	42.69	" "
9.02	16.00	16.50	4.00	3.38	6.00	5.12	10.00	55.98	" "
10.34	20.00	19.58	4.00	4.44	7.50	6.47	8.43	50.74	" "
10.01	14.00	12.55	3.50	4.03	6.00	4.46	5.70	63.25	" "
7.99	17.00	17.11	3.50	4.03	6.00	5.56	8.80	56.51	" "
6.16	20.45	21.59	5.50	4.98	10.45	9.88	8.65	48.74	" "
7.68	16.00	14.83	4.00	4.09	6.00	5.53	3.80	64.07	" "
6.99	41.00	42.65	5.00	4.42	7.00	5.86	5.56	34.52	As declared on sack.
9.86	32.00	31.74	4.50	4.63	9.00	9.21	7.67	36.89	" "

A—Fat and Fibre guarantee and ingredients on sack differ from license.
B—Fibre guarantee and ingredients on sack differ from license.
C—Protein and Fat guarantee and ingredients on sack differ from license.
D—Unable to detect Gluten Meal.
E—Also detected Linseed Oil Meal—unable to detect Peanut Meal.
F—Protein; Fat and Fibre guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John W. E. Eshelman & Sons, Lancaster, Pa. (Continued)	
Eshelman Conestoga 20 Dairy Feed	Annapolis
Eshelman Maintenance 16% Dairy Feed	Clinton
Eshelman Pennsy 16 Dairy Feed	New Windsor
Eshelman Maintenance 20% Laying Mash, with Cod Liver Oil	Oakland
Eshelman Pennsy Laying Mash, with Cow Liver Oil	Annapolis
Eshelman Pennsy Laying Mash, with Cod Liver Oil	Silver Spring
Eshelman Pennsy Laying Mash, with Cod Liver Oil	Annapolis
Eshelman Red Rose Fattening Mash Pelleted	Berlin
Eshelman Red Rose All Mash Starter and Grower, with Cod Liver Oil	Clinton
Eshelman S-O-S	Annapolis
Eshelman Red Rose 85 Horse Feed	Annapolis
Eshelman Garden Spot Horse Feed	Annapolis
Eshelman Red Rose Flaked Feed	Annapolis
Eshelman Red Rose Pig and Hog Meal	Cumberland
Eshelman Red Rose Pig and Hog Meal	Annapolis
Eshelman Red Rose Intermediate Chick Grains	Annapolis
Eshelman Lancaster Scratch Grains	Annapolis
Eshelman Lancaster Scratch Grains	Silver Spring
Evans Milling Co., Indianapolis, Ind.	
Evans 41% Protein Soybean Oil Meal	Baltimore
Fairfield Western Maryland Dairy, Baltimore, Md.	
Fairfield Western Md. Dairy Skim Milk Powder	Reisterstown
Farmers Cooperative Assoc., Inc., Frederick, Md.	
Farco 32% Supplement	Frederick
Farco 24% Milk Producer	Frederick
Farco 16% Dairy Feed	Frederick
Farco Cooperative Egg Producer	Frederick
Farco Growing Mash	Frederick
Brewers Grains and Molasses	Frederick
*Farco Special Mixed Hog Feed	Frederick
Farco Starting Mash	Frederick
Farco Turkey Starting Mash	Frederick
Farmers Fertilizer & Feed Co., Westminster, Md.	
Farmers 24% Dairy Feed	Westminster
Farmers Favorite Laying Mash	Westminster
Farmers Favorite Laying Mash	Westminster
Farmers Favorite Growing Mash	Westminster
Farmers Favorite Pig Meal	Westminster
Farmers Favorite Starting Mash	Westminster
Farmers Favorite Pigeon Feed	Westminster
Farmers Favorite Scratch Feed	Westminster
Farmers Service Bureau, Baltimore, Md.	
‡"Farmso" Feed	Medford

* Deficient in protein or fat.
‡ Sampled before registration

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
10.45	20.00	22.68	4.00	3.98	11.00	7.83	7.87	47.19	As declared on sack.	
9.24	16.00	16.43	3.00	3.71	15.00	12.74	8.13	49.75	"	"
10.83	16.00	18.84	3.00	4.04	11.00	11.09	7.66	47.54	"	"
9.11	20.00	21.50	4.50	4.40	8.00	7.78	7.25	49.96	"	"
10.08	18.00	19.69	5.00	5.02	8.50	6.54	7.75	50.92	"	"
9.79	18.00	19.83	5.00	4.66	8.50	9.35	7.75	48.62	"	"
7.79	20.00	20.36	5.00	4.99	7.00	7.12	8.26	51.48	"	"
9.20	14.00	16.32	4.50	4.60	5.50	5.33	5.60	58.95	"	"
7.56	16.00	17.55	4.00	4.05	7.00	7.10	7.80	55.94	"	"
11.01	11.00	12.71	2.00	2.26	15.00	16.71	7.56	49.75	"	"
11.59	9.00	10.84	3.00	4.32	10.00	9.25	3.43	60.57	"	"
10.67	7.00	8.70	2.00	3.17	11.00	8.70	5.21	63.55	"	"
8.28	10.00	11.50	2.50	4.01	11.00	6.92	2.50	66.79	"	"
7.79	16.00	19.04	5.00	5.42	10.00	7.91	9.50	50.34	"	"
7.79	16.00	20.27	5.00	5.18	10.00	8.05	8.94	49.77	"	"
9.44	10.00	12.11	3.00	3.76	3.00	1.83	1.66	71.20	"	"
9.98	9.00	10.18	2.50	3.15	4.00	2.57	1.58	72.54	"	"
9.69	9.00	9.30	2.50	3.27	4.00	2.73	1.50	73.51	"	"
8.16	41.00	44.05	4.50	5.04	7.00	5.69	5.74	31.32	"	"
.....	35.00	35.01	.50	x1.61	.....	.....	8.90	.....	"	"
10.61	32.00	33.52	3.00	3.33	7.00	7.35	8.34	36.85	A.	
11.48	24.00	26.77	3.50	3.77	12.00	7.50	8.81	41.67	A.	
12.03	16.00	20.03	3.00	3.48	14.00	7.52	7.56	49.38	A.	
10.38	20.00	19.24	4.00	4.33	7.00	6.33	8.38	51.34	A.	
10.41	18.00	18.05	4.00	4.18	8.00	5.56	7.10	54.70	A.	
8.79	22.00	22.66	5.00	5.20	15.00	16.47	4.53	42.35	As declared on sack.	
9.39	16.50	16.32	4.50	3.86	5.50	4.36	7.00	59.07	"	"
9.52	17.00	18.16	4.00	4.57	6.50	5.00	6.55	56.20	"	"
8.50	24.00	25.80	4.00	5.19	6.50	4.79	11.75	43.97	"	" B.
6.95	24.00	26.50	4.00	4.81	12.00	11.04	6.55	44.15	"	"
7.68	20.00	21.76	4.50	4.29	10.00	10.01	8.50	47.76	"	"
7.43	20.00	19.39	4.50	4.36	10.00	8.78	6.85	53.19	"	"
6.72	17.00	17.02	4.00	4.28	6.50	8.05	6.35	57.58	"	"
7.47	18.00	17.99	5.00	4.62	10.00	6.50	10.25	53.17	"	"
8.52	15.00	16.32	3.80	4.42	5.00	6.02	6.60	58.12	"	"
9.76	12.00	13.25	3.00	2.98	5.00	3.68	2.30	68.03	"	"
10.57	10.00	9.56	3.00	3.16	4.00	2.75	1.45	72.51	"	"
10.05	12.00	12.81	3.00	3.09	7.00	4.07	3.80	66.18	A.	

x—Fat as determined by the Roese-Gottlieb Method.
A—Ingredients on sack differ from license.
B—Fibre guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Farmers Supply Co., Denton, Md.	
Fasuco Laying Mash	Denton
*Fasuco Hog Feed	Denton
Farmers Supply Co., Walkersville, Md.	
Hog Feed	Walkersville
Chick Mash	Walkersville
Feed Mor Products Co., Westminster, Md.	
Feed-Mor Meat Meal	Westminster
Feed-Mor Tankage	Westminster
Feed Products Co., Baltimore, Md.	
Fep-Co-Mids	Elkton
Fep-Co-Mids	Medford
Felton & Kelly, Frederick, Md.	
*Egg Maker	Frederick
Hog Meal	Frederick
Winter Wheat Bran	Frederick
Winter Wheat Middlings	Frederick
White or Yellow Corn Bran	Frederick
Fernando Valley Milling & Supply Co., Van Nuys, Calif.	
Fernando Ideal Greens Ideal Leaf Meal	Princess Anne
Ferneau Grain Co., Blanchester, Ohio	
‡O. P. Rye Distillers Dried Grains	Sykesville
F. Corn Distillers Dried Grains	Hagerstown
F. Distillers Dried Grains	Hagerstown
F. Distillers Dried Grains	Baltimore
Fullerton Supply Co., Overlea, Md.	
Fullerton Laying Mash	Overlea
Fullerton Starting and Growing Mash	Overlea
Fullerton Poultry Scratch	Overlea
Funk Brothers Seed Co., Bloomington, Ill.	
Funk's Soybean Oil Meal	Walkersville
Galestown Milling Co., Seaford, Del.	
‡All Purpose Mash	
‡Pure Wheat Bran	
‡Pure Wheat Middlings	
‡G. M. C. Scratch	
Gall & Smith, Thurmont, Md.	
*G. & S. 20% Laying Mash	Thurmont

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.52	20.00	20.09	5.00	5.08	8.00	7.07	9.90	48.34	As declared on sack.
9.18	15.00	17.11	5.00	4.33	7.00	6.54	8.70	54.14	" "
10.82	15.00	17.18	4.00	3.75	4.50	5.75	8.10	54.40	A.
8.65	18.00	18.69	4.00	4.30	6.00	4.92	7.20	56.24	As declared on sack.
6.29	55.00	56.61	5.00	12.50	4.00	2.36	27.95	.....	" "
5.21	45.00	47.56	5.00	12.66	2.50	2.53	29.75	2.29	" "
5.13	15.00	15.53	6.50	9.24	9.00	7.53	5.50	57.07	" "
4.36	15.00	15.36	6.50	9.28	9.00	7.79	6.70	56.51	" "
7.62	18.00	18.34	5.00	3.99	5.00	5.02	9.60	55.43	" "
8.19	18.00	20.36	4.00	3.69	6.50	5.82	9.50	52.44	" "
10.61	13.00	15.09	3.00	3.89	10.00	8.04	5.80	56.57	" "
10.61	14.00	14.13	2.00	3.34	5.00	2.75	3.20	65.97	" "
9.05	8.00	9.48	3.00	4.45	12.00	9.89	1.85	65.28	" "
7.19	20.00	21.15	2.50	2.93	18.00	13.51	12.86	42.36	" "
6.36	16.00	20.18	5.00	5.84	18.00	14.46	3.05	50.11	" "
6.05	28.00	28.26	9.00	8.89	14.00	14.25	2.95	39.60	" "
6.76	24.00	24.13	6.00	7.39	16.00	14.96	2.90	43.86	" "
6.54	20.00	21.15	5.00	5.52	16.00	12.55	2.60	51.64	" "
8.51	20.00	20.09	4.50	4.66	6.50	7.27	9.65	49.82	A.
7.87	16.00	17.46	4.50	5.05	6.00	5.80	9.15	54.67	A.
10.58	10.00	10.00	3.00	2.63	4.50	3.76	1.65	71.38	As declared on sack.
5.61	41.00	43.09	4.50	5.50	7.00	6.70	6.15	32.95	" "
9.41	15.50	17.72	4.00	5.26	7.00	7.79	8.35	51.47	" "
8.01	14.00	13.78	3.50	5.05	10.00	6.96	7.15	59.05	" "
9.27	14.00	15.92	3.50	5.65	5.00	5.26	5.10	58.80	" "
11.76	9.00	10.18	3.00	3.54	4.00	3.54	1.80	69.18	" "
10.06	20.00	17.97	4.50	4.72	6.75	6.00	8.72	52.53	" "

A—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Gambrill Grain Products Co., Baltimore, Md.	
Skor 20% Dairy Feed	Baltimore
Gambrill's A. A. Laying Mash	Baltimore
Gambrill's A. A. Growing Mash	Baltimore
Gammalt	Baltimore
Special G. B. M. Feed	Baltimore
Gardiner & Yowaski Milling Co., Chaptico, Md.	
Chaptico Laying Mash, with Cod Liver Oil and BM	Chaptico
Superior Growing Mash, with Cod Liver Oil and BM	Chaptico
*Pure Wheat Bran	Chaptico
*Pure Wheat Middlings	Chaptico
Chaptico Scratch Grains	Chaptico
General Mills, Inc., Minneapolis, Minn.	
Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings	Frederick
Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings	Washington Grove
Glade Valley Milling Co., Walkersville, Md.	
*Gee Vee 32% Dairy Feed	Walkersville
Gee Vee 20% Dairy Feed	Walkersville
Gee Vee 18% Laying Mash	Walkersville
Soft Pure Winter Wheat Bran	Walkersville
Soft Winter Wheat Middlings, M. R. S.	Walkersville
Goldsboro Milling Co., Goldsboro, Md.	
Marvel's Egg Mash	Goldsboro
Wm. Gower & Son, Williamsport, Md.	
‡Hog Feed	Williamsport
The Great Atlantic & Pacific Tea Co., New York, N. Y.	
Milky Way Dairy Feed 24%	Oakland
*Daily Milk Dairy Feed	Oakland
Green Acre Farms, Nazareth, Pa.	
Alfalfa Meal	Hagerstown
Green Mish Co., Washington, D. C.	
"Green Tag Brand" Prime Peanut Meal	Gaithersburg
"Green Tag" Prime Cotton Seed Meal	Middleburg
"Green Tag" Prime Cotton Seed Meal	Sellman
Greensboro Milling Co., Greensboro, Md.	
Riddleberger Poultry Mash	Greensboro
Pure Wheat Bran	Greensboro
W. D. Groff, Owings Mills, Md.	
Wil-Gro Laying Mash	Owings Mills

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.11	20.00	21.46	4.00	4.62	13.00	8.57	9.46	46.78	As declared on sack.
8.65	20.00	21.67	3.50	5.71	8.00	5.28	6.90	51.79	" "
8.18	16.00	19.48	4.00	5.76	7.00	5.93	7.20	53.45	" "
8.29	13.00	13.16	2.70	2.39	5.00	5.29	2.68	68.19	" "
7.55	13.00	13.60	2.00	2.62	11.00	8.65	2.95	64.63	" "
7.11	20.00	20.36	5.00	5.51	6.50	5.71	11.55	49.76	" "
8.15	17.00	17.20	4.25	4.89	5.00	6.02	8.80	54.94	" "
10.93	14.00	12.90	3.50	4.06	10.00	9.73	6.65	55.73	" "
9.29	14.00	14.04	4.00	3.39	6.00	3.84	2.90	66.54	" "
10.08	10.00	9.39	2.50	2.36	4.00	2.60	1.30	74.27	A.
8.13	15.00	17.20	4.00	3.95	9.50	7.81	5.30	57.61	As declared on sack.
10.96	15.00	15.97	4.00	4.51	9.50	8.41	5.50	54.65	" "
8.33	32.00	32.73	7.00	6.02	11.00	10.51	6.40	36.01	As declared on sack.
6.20	20.00	21.94	3.00	4.32	9.00	9.17	6.75	51.62	As declared on sack.
11.34	18.00	18.41	4.00	4.91	7.50	4.83	8.61	51.90	A.
6.49	15.00	15.27	4.00	4.19	12.00	10.44	6.80	56.81	As declared on sack.
7.77	14.00	14.13	4.00	3.92	6.00	3.51	3.25	67.42	" " B.
8.06	20.00	19.13	4.50	4.71	9.00	8.58	9.60	49.92	" "
12.31	16.00	16.59	4.00	4.52	7.50	7.41	4.10	55.07	" "
9.06	24.00	23.95	3.50	3.53	9.00	7.44	8.45	47.57	" "
8.46	16.00	18.45	3.00	2.46	12.00	11.66	9.78	49.19	" "
5.50	13.00	14.22	1.50	2.27	33.00	26.04	15.90	36.07	" "
5.57	45.00	45.72	6.00	6.40	12.00	12.85	6.40	23.06	" "
6.04	41.00	42.75	5.00	5.95	13.00	11.07	6.90	27.29	" "
5.30	41.00	42.65	5.00	6.27	13.00	11.08	7.06	27.64	" "
10.87	17.00	16.50	4.00	4.59	7.00	6.55	6.45	55.04	" "
8.84	14.00	14.00	4.00	4.13	8.00	10.98	6.80	55.25	" "
6.91	18.00	17.42	5.00	4.59	8.00	8.26	8.80	54.02	" "

A—Ingredients on sack differ from license.
B—Fibre guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hales & Hunter Co., Chicago, Ill.	
Red Horn 24% Dairy Feed	Cumberland
Red Horn 24% Dairy Feed	Cumberland
Special Red Horn 24% Dairy Feed	Annapolis
Special Red Horn 20% Dairy Feed	Cumberland
*Red Horn 20% Dairy Feed	Annapolis
Gold Flake 16% Dairy Feed	Cumberland
Red Comb Egg Mash	Pocomoke City
Red Comb Growing Mash	Pocomoke City
Red Comb All-Mash	Newark
Red Comb Broiler Mash	Newark
*Red Comb Crate Fattener	Baltimore
Kingfalfa Horse Feed	Cumberland
Pioneer Pig and Hog Meal 20%	Cumberland
Morning Glory Fine Chick	Baltimore
Morning Glory Chick Starter	Cumberland
Red Comb Chick Starter	Cumberland
Red Comb Chick Starter	Pocomoke City
Red Comb Turkey Starter	Cumberland
Pound Squab Pigeon Feed	Baltimore
Victoria Rabbit Feed	Baltimore
Wm. Jesse Halter, Westminster, Md.	
Pure Wheat Bran	Westminster
Pure Wheat Middlings	Westminster
Dwight Hamlin Co., Pittsburgh, Pa.	
Hamlin's Dried Brewers Grains	Sudlersville
Hamlin's Dried Brewers Grains	Frederick
Hampstead Fertilizer Co., Hampstead, Md.	
R-E-M Home Made Laying Mash	Hampstead
Home Made Hog Feed	Hampstead
Hancock Flour & Feed Co., Hancock, Md.	
†Potomac Laying Mash	Hancock
Frank Harbaugh, Middleburg, Md.	
Use More Dairy Feed	Middleburg
Use More Egg and Growing Mash	Middleburg
*Use More Pig and Hog Meal	Medford
U. L. Harman, Marydel, Md.	
Mary-Del Egg Mash	Marydel
Harman's Best Laying Mash	Marydel
T. A. Hauschel, Chicago, Ill.	
‡Brewers Dried Grains	Germantown

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.70	24.00	26.64	4.00	4.22	10.00	8.03	8.08	42.33	As declared on sack.
8.51	24.00	26.59	4.00	3.52	10.00	8.10	8.93	44.35	" "
8.52	24.00	24.02	3.50	3.15	12.00	9.08	9.01	46.22	" "
9.42	20.00	21.61	3.50	3.26	12.00	10.60	9.05	46.06	" "
8.00	20.00	22.44	4.00	3.37	10.00	9.25	8.41	48.53	" "
8.61	16.00	18.50	3.00	3.00	15.00	10.64	9.12	50.13	" "
8.32	18.00	18.08	4.00	4.48	7.00	5.66	9.36	54.10	" "
8.69	16.00	16.41	4.00	4.02	7.00	6.09	6.28	58.51	" "
7.69	15.00	16.15	4.00	4.07	8.00	7.76	6.30	58.03	" "
8.02	18.00	18.87	4.00	4.25	7.00	6.67	7.45	54.74	" "
7.78	13.00	14.39	4.00	2.44	6.00	6.00	5.30	64.09	" "
10.32	9.00	10.77	2.50	3.71	10.00	9.38	4.36	61.46	" "
9.53	20.00	21.46	4.00	4.84	7.00	7.07	11.39	45.71	" "
10.04	10.00	10.97	2.50	2.53	5.00	1.59	1.50	73.37	" "
5.93	16.00	17.90	4.00	4.38	7.00	5.96	7.85	57.98	" "
5.44	18.00	19.83	4.00	4.68	6.00	5.77	7.25	57.03	" "
8.29	18.00	17.90	4.00	4.12	6.00	5.81	6.10	57.78	" "
8.89	25.00	25.01	5.00	5.05	6.00	5.54	9.65	45.86	" "
10.16	12.00	13.34	2.50	2.55	5.00	4.19	2.30	67.46	" "
10.53	12.00	13.07	2.00	2.42	16.00	16.04	8.13	49.81	" "
7.83	14.00	14.57	3.00	3.62	9.00	11.24	7.20	55.54	As declared on sack.
10.05	13.00	13.86	3.00	2.89	5.00	3.43	3.00	66.77	" "
8.07	24.00	24.66	6.00	5.82	18.00	18.56	3.90	38.99	" "
9.09	24.00	25.62	6.00	6.34	18.00	15.51	4.00	39.44	" "
7.27	20.00	20.27	4.50	4.12	8.00	8.76	9.30	50.28	" "
7.35	15.00	17.81	4.00	4.34	8.00	7.34	6.75	56.41	" "
9.08	20.00	18.60	4.00	3.43	8.00	6.47	8.90	53.52	" "
11.55	16.50	18.39	4.00	3.94	10.00	9.69	4.43	52.00	" "
7.91	20.00	21.32	4.00	5.09	7.00	5.55	8.85	51.28	" "
6.56	19.00	19.13	5.00	4.12	5.00	5.87	9.20	55.12	" "
7.29	18.00	19.48	4.50	4.54	8.00	8.29	9.80	50.60	" "
7.32	20.00	20.18	5.00	4.59	7.00	5.78	10.06	52.07	" "
4.31	24.00	31.06	5.50	5.80	18.00	15.02	4.00	39.81	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hercules Powder Co., Dairy Products Div., Chicago, Ill.	
Hercules Dried Skimmilk	Hampstead
*Hercules Dried Skimmilk	Westminster
Hercules Dried Skimmilk	Westminster
Hercules Dried Whey	Pocomoke City
Hercules Dried Whey	Pocomoke City
Hershey Creamery Co., Harrisburg, Pa.	
‡Hershey's Superior Powdered Skim Milk	Keymar
Hershey Milling Co., Inc., Hagerstown, Md.	
Hershey Pure Wheat Bran	Hagerstown
*Hershey Fancy Wheat Middlings, with S. N. Ex. M. R.	Hagerstown
Hershey Developer Feed	Hagerstown
Hershey Chick Feed	Hagerstown
Hershey Special Scratch Feed	Hagerstown
Hespenheide & Thompson, Inc., York, Pa.	
Premier 32% Farm Mixing Feed	Parkton
York 20% Dairy Feed	Parkton
Premier 16 Dairy Feed	Parkton
Premier Egg Mash, with BM., Charcoal and Minerals with Cod Liver Oil	Street
York Laying Mash	Parkton
Premier Pig and Hog Meal	Parkton
Premier Mixing Concentrate with Molasses	Chewsville
Premier Turkey Starter	Jarrettsville
J. E. Higman & Sons, Millington, Md.	
Pure Wheat Bran	Millington
Pure Wheat Middlings	Millington
John P. Howard, Hagerstown, Md.	
Howards Poultry Mash	Hagerstown
Howards Scratch Grains	Hagerstown
Howards Pigeon Feed with Corn	Hagerstown
Howards Pigeon Feed without Corn	Hagerstown
Hubbard Milling Co., Mankato, Minn.	
Hubbard's Sunshine Concentrate with Cod Liver Oil	Easton
Humphreys-Godwin Co., Memphis, Tenn.	
Dixie Brand 41% Protein Prime Cottonseed Meal	Hagerstown
Dixie Brand 41% Protein Prime Cottonseed Meal	Westminster
‡Dixie Brand 41% Protein Prime Cottonseed Meal	Frederick
Dixie Brand 41% Protein Prime Cottonseed Meal	Reid
The Humphries Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash	Glyndon
Glyco Grower Mash	Glyndon
Glyco Starter	Glyndon

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
.....	32.00	32.21	.40	x 1.13	.....	.....	8.25	.....	As declared on sack.
.....	32.00	30.89	.40	x .53	.....	.....	8.25	.....	" "
.....	32.00	32.56	.40	x .41	.....	.....	8.28	.....	" "
.....	11.50	11.93	.20	x .36	.....	.....	11.45	.....	" "
.....	11.50	15.45	.20	x 1.10	.....	.....	11.05	.....	" "
.....	32.00	34.92	.25	x .29	.....	.....	8.00	.....	" "
10.01	15.00	14.57	4.00	4.27	9.50	9.59	6.80	54.76	" "
10.65	15.50	14.39	4.00	3.80	6.00	3.14	2.95	65.07	" "
8.73	10.00	10.44	2.50	3.71	5.00	2.43	1.80	72.89	A.
9.12	10.00	10.71	2.50	4.65	5.00	2.03	2.15	71.34	B.
11.01	10.00	10.18	2.50	2.53	5.00	2.81	6.45	67.02	C.
9.08	32.00	32.22	4.00	5.21	10.00	8.62	7.80	37.07	As declared on sack.
8.30	20.00	20.72	3.50	3.62	12.00	13.02	8.34	46.00	" "
11.09	16.00	17.38	3.00	3.50	12.00	12.28	10.66	45.09	" "
8.39	20.00	21.50	4.50	4.58	7.00	7.65	11.85	46.03	" "
9.95	20.00	20.59	3.00	4.36	7.00	7.78	9.63	47.69	" "
8.13	16.00	17.46	4.00	4.23	7.00	7.19	10.15	52.84	" "
9.39	29.00	32.79	4.00	3.94	6.00	5.76	7.69	40.43	" "
7.49	24.00	25.10	4.00	6.45	8.00	6.51	11.05	43.40	" "
8.38	13.00	13.69	3.00	3.81	9.00	11.26	6.55	56.31	" "
11.38	14.00	15.80	4.00	5.09	5.00	7.68	3.90	56.15	" "
7.12	18.00	18.06	5.00	4.59	7.00	5.68	12.45	52.10	" "
10.52	10.00	10.18	2.50	2.45	4.00	2.75	1.65	72.45	" "
9.64	12.50	11.93	3.25	3.64	3.50	2.76	1.45	70.58	" "
9.51	14.00	17.55	3.00	2.79	4.00	4.34	2.05	63.76	" "
8.66	32.00	32.64	5.00	5.22	7.00	6.87	13.40	33.21	" "
6.81	41.00	41.07	5.00	8.74	12.00	13.79	8.00	21.59	D.
5.60	41.00	41.07	5.00	6.13	12.00	11.74	5.80	29.66	As declared on sack.
6.10	41.00	41.07	5.00	6.87	12.00	12.17	7.24	26.55	" "
5.43	41.00	42.56	5.00	5.97	12.00	11.43	5.96	28.65	" "
7.20	20.00	20.80	4.50	4.32	7.00	9.49	10.10	48.09	" "
10.34	16.00	18.87	3.50	4.53	7.50	7.95	7.25	51.06	C.
9.86	18.00	18.78	5.50	5.96	7.00	6.84	7.85	50.71	C.

x—Fat as determined by the Roese-Gottlieb Method.
A—Unable to detect Oat Groats.
B—Unable to detect Steel Cut Oat Groats.
C—Ingredients on sack differ from license.
D—Product off quality, dark brown in color.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hurlock Milling Co., Hurlock, Md.	
Quality Laying Mash	Hurlock
Quality Pig Meal	Hurlock
*Pure Wheat Bran	Hurlock
Pure Wheat Middlings	Hurlock
Huston, Culver & Co., Inc., Seaford, Del.	
Fish Meal	Mardela Springs
Illinois Soy Products Co., Springfield, Ill.	
‡Sinco, Brand 41% Protein Soybean Oil Meal	Berlin
Ingleside Milling Co., Ingleside, Md.	
Ingleside Laying Mash	Ingleside
Pure Wheat Bran	Ingleside
Pure Wheat Middlings	Ingleside
International Milling Co., Minneapolis, Minn.	
Blackhawk Pure Wheat Bran	Derwood
Blackhawk Wheat Standard Middlings, with Ground Screenings N. Ex. M. R.	Cumberland
James Ireland Mill, Easton, Md.	
Pure Wheat Bran	Easton
Pure Wheat Middlings	Easton
The R. D. Johnson Milling Co., Cumberland, Md.	
*"Atlas" Dairy Feed	Cumberland
"Atlas" Egg Mash	Cumberland
"Atlas" Stock Feed	Cumberland
Wheat Bran and Screenings	Cumberland
†White Middlings	Cumberland
Wheat Shorts	Cumberland
*"Atlas" Scratch Feed	Cumberland
Kasco Mills, Inc., Waverly, N. Y.	
Kasco Mormilk Dairy Ration	Cumberland
Apex 20% Dairy Ration	Hagerstown
Kasco Sweet 16% Dairy Feed	Hagerstown
Apex Laying Mash	Manchester
Kasco Laying Mash	Hagerstown
‡Oc-Sak Laying Mash	Hagerstown
Kasco Mash Supplement	Baltimore
Apex Complete Grower	Baltimore
Apex Complete Grower	Manchester
Kasco Growing Grains	Baltimore
Kasco Farm Feed	Annapolis
Kasco Special Horse and Mule Feed	Cumberland
‡Kasco Special Horse and Mule Feed	Hagerstown
Oc-Sak Hog Feed	Annapolis
*‡Oc-Sak Hog Feed	Hagerstown

* Deficient in protein or fat.
‡ Sampled before registration.
† Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.64	20.00	22.17	4.95	5.51	9.62	7.66	9.24	46.78	As declared on sack.	
9.94	20.00	20.09	4.50	5.58	8.00	5.91	8.21	50.27	"	"
10.29	14.50	13.42	4.00	3.98	9.00	10.42	6.85	55.04	"	"
12.91	14.50	14.48	4.00	4.21	9.00	5.51	3.80	59.09	"	"
5.69	55.00	58.53	4.00	9.43	1.00	.50	18.36	7.49	"	"
9.75	41.00	41.86	5.00	5.45	7.00	5.90	6.30	30.74	"	"
8.09	17.00	18.43	3.50	4.89	9.50	9.16	11.05	48.38	"	"
8.35	13.00	14.22	3.00	4.03	9.00	10.85	6.60	55.95	"	"
9.81	13.00	13.42	3.00	2.61	9.50	4.42	2.60	67.14	"	"
9.01	15.00	16.15	3.20	4.45	12.00	10.86	6.60	52.93	"	"
9.92	16.00	17.29	4.50	4.06	8.50	7.52	5.00	56.21	"	"
7.93	13.00	14.39	3.00	3.68	10.00	6.77	4.80	62.43	"	"
9.96	13.00	14.22	3.00	3.03	8.00	3.40	1.80	67.59	"	"
7.78	16.00	14.92	4.30	3.88	6.10	11.63	8.45	53.34	"	"
7.08	18.00	18.60	4.00	5.39	7.00	6.01	14.15	48.77	"	"
7.85	9.00	9.92	3.00	5.59	12.00	11.31	6.40	58.93	"	"
8.09	15.02	17.11	5.22	5.07	8.70	10.27	6.90	52.56	"	"
9.28	15.02	12.81	4.19	2.50	3.17	1.77	1.90	71.74	"	"
8.09	17.00	18.60	5.00	5.25	6.00	6.87	5.40	55.79	"	"
6.84	11.50	9.39	3.46	3.16	2.48	3.46	1.60	75.55	"	"
8.00	24.00	25.00	4.50	4.14	10.00	10.23	6.55	46.08	"	"
10.25	20.00	21.90	3.50	5.03	12.00	10.11	8.12	44.59	"	"
9.00	16.00	18.16	3.50	4.43	12.00	12.17	8.46	47.78	"	"
7.29	20.00	20.01	4.00	4.29	8.50	5.86	9.70	52.85	"	"
9.05	20.00	19.92	4.00	5.19	7.50	7.18	11.95	46.71	"	"
8.19	17.00	17.11	3.50	4.49	8.50	7.94	10.00	52.27	"	"
9.35	26.00	28.35	5.00	5.38	6.50	7.26	8.55	41.11	"	"
10.43	14.00	13.86	4.00	3.87	8.50	6.09	6.20	59.55	"	"
9.60	14.00	15.45	4.00	4.29	8.50	6.04	8.00	56.62	"	"
11.92	10.00	9.94	2.50	2.34	4.00	2.40	1.55	71.85	"	"
8.21	16.00	16.15	3.00	3.54	9.00	7.42	9.00	55.68	"	"
10.56	10.00	11.16	3.00	2.96	12.00	7.31	4.44	63.57	"	"
10.97	10.00	10.98	3.00	3.63	12.00	6.92	3.51	63.99	"	"
7.96	20.00	20.18	4.00	4.49	8.00	8.48	10.90	47.99	"	"
8.32	20.00	18.87	4.00	4.48	8.00	8.99	9.90	49.44	"	"

A

A—Protein, Fat and Fibre guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kasco Mills, Inc., Waverly, N. Y. (Continued)	
Kasco Pig Hog Feed	Hagerstown
‡Apex Sugared Chop	Hagerstown
‡Kasco Cattle Meal	Hagerstown
Kasco All Mash Chick Starter	Manchester
Apex Starter	Hagerstown
‡Kasco Chick Grains	Baltimore
‡Oc-Sak Chick Grains	Hagerstown
Oc-Sak Scratch Grains	Annapolis
‡Oc-Sak Scratch Grains	Hagerstown
Kasco Pigeon Feed	Cumberland
Kasco Pigeon Feed	Hagerstown
Kasco Rabbit Pellets	Cumberland
Kasco Complete Rabbit Ration	Cumberland
The Keedysville Milling Co., Inc., Keedysville, Md.	
*Eureka Laying Mash	Keedysville
Wheat Bran	Keedysville
Wheat Middlings	Keedysville
F. P. Keppel, Rising Sun, Md.	
32% Dairy	Rising Sun
Laying Mash	Rising Sun
The Key Grain & Feed Co., Keymar, Md.	
The Key 32% Dairy Ration	Detour
The Key Dairy Ration	Detour
The Detour Laying Mash	Hampstead
The Key Laying Mash	Hampstead
The Key Growing Mash	Detour
The Key 34% Hog Supplement	Keymar
The Key Pig Meal	Detour
Pure Wheat Middlings	Detour
The Key Starting Mash	Keymar
King Brothers & Co., Philadelphia, Pa.	
King's Dried Skim Milk	Elkton
King Midas Flour Mills, Minneapolis, Minn.	
Wheat Standard Middlings and Ground Wheat Screenings	Baltimore
Kline Brothers, Inc., Boonsboro, Md.	
Kline Bros. Egg Mash	Boonsboro
Wheat Bran	Boonsboro
Wheat Middlings	Boonsboro
Kline Bros. Scratch Grains	Boonsboro
Chas. F. Knock, Frederick, Md.	
Square "K" Laying Mash	Frederick
Square "K" Growing Mash	Frederick

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.21	17.00	17.38	4.00	4.68	8.00	8.07	9.50	53.16	As declared on sack.
11.61	10.00	10.30	3.00	4.00	12.00	14.33	7.30	52.46	" "
11.61	18.00	19.30	3.50	4.28	10.00	10.08	10.37	44.36	" "
8.78	17.00	17.81	4.00	4.23	5.50	5.79	8.40	54.99	" "
6.90	15.00	15.97	4.00	4.68	6.00	6.76	8.45	57.24	" "
11.68	10.00	11.41	2.50	2.75	4.00	1.23	1.50	71.43	" "
9.43	9.00	10.09	2.50	2.41	3.50	2.39	1.40	74.28	A.
9.91	9.00	9.48	2.50	2.55	4.00	2.48	1.45	74.13	As declared on sack.
11.07	9.00	10.27	2.50	2.44	4.00	2.46	1.50	72.26	" "
7.18	12.00	12.81	2.50	2.58	4.00	3.84	1.95	71.64	" "
9.34	12.00	12.64	2.50	2.54	4.00	3.93	1.85	69.70	" "
5.31	13.00	15.09	3.00	3.32	11.00	9.94	7.60	58.74	" "
9.90	12.00	14.16	2.00	2.39	20.00	12.39	8.35	52.81	" "
7.62	20.00	20.36	5.00	3.97	7.00	5.89	8.25	53.91	" "
9.99	13.50	13.95	3.20	3.32	8.35	8.60	5.56	58.58	" "
9.54	14.00	15.01	3.50	4.62	3.25	3.57	3.75	63.51	" "
9.68	32.00	34.20	4.50	5.05	9.00	8.69	9.50	32.88	" "
10.20	20.00	21.15	4.50	4.56	6.00	7.25	10.65	46.19	" "
6.21	32.00	32.91	4.75	5.21	11.00	9.59	7.50	38.58	" "
7.74	20.00	21.59	4.00	4.20	11.00	9.53	7.75	49.19	" "
7.14	19.00	20.80	4.50	4.80	9.00	8.53	10.55	48.18	" "
7.23	19.00	20.27	5.00	5.29	7.00	6.26	10.30	50.65	" "
8.04	16.00	17.72	4.50	5.09	7.00	6.25	8.20	54.70	" "
6.96	34.00	35.54	4.50	5.17	8.00	9.28	20.70	22.35	" "
8.29	17.00	17.81	4.00	4.95	7.00	6.12	8.10	54.73	" "
10.87	14.00	13.34	4.00	3.53	6.00	2.79	2.35	67.12	" "
7.42	16.00	16.85	4.50	4.77	6.00	5.39	7.10	58.47	" "
.....	30.00	34.75	.25	X.34	.....	.....	7.90	.....	" ..
10.06	15.00	17.02	4.00	4.34	9.50	6.94	5.00	56.64	" "
8.65	18.00	19.74	3.50	5.02	7.00	7.48	7.90	51.21	" "
8.69	14.00	14.04	4.00	4.08	9.00	10.78	7.35	55.06	" "
8.46	15.00	15.53	4.00	4.21	5.00	7.55	3.15	61.10	" "
8.50	9.00	10.00	2.50	3.75	6.00	3.32	2.70	71.73	B.
9.23	20.00	20.01	3.00	4.95	7.00	6.19	11.00	48.62	As declared on sack.
10.08	18.00	17.55	4.00	4.62	7.00	5.04	7.60	55.11	" "

x—Fat as determined by the Roese-Gottlieb Method.
A—Also detected Cut Hulled Oats.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Chas. F. Knock, Frederick, Md. (Continued)	
Square "K" Starting Mash	Frederick
Square "K" Chick Feed	Frederick
Square "K" Medium Scratch Feed	Frederick
Square "K" Scratch Feed	Frederick
H. C. Knoke & Co., Chicago, Ill.	
Barley Feed	Baltimore
Kraft-Phenix Cheese Corp., Chicago, Ill.	
Kraco (Dried Cheese Whey)	Baltimore
Delyn (Dried Casein Whey)	Westminster
Delyn (Dried Casein Whey)	Baltimore
H. Curtis Krout, Maryland Line, Md.	
Krout's Egg Mash	Maryland Line
Kuder Meal Co., San Antonio, Texas.	
*Texsun Kuder Citrus Pulp	Sykesville
La Grange Mills, Red Wing, Minn.	
‡Pure Flour Middlings	Rising Sun
‡Wheat Standard Middlings, with Ground Screening N. Ex. M. R.	Rising Sun
The Lakeview Milling Co., Chambersburg, Pa.	
‡Soft Winter Wheat Bran, with M. R. S.	Chewsville
‡Soft Winter Wheat Middlings, with M. R. S.	Chewsville
F. S. Langrell, Preston, Md.	
Pure Wheat Bran	Preston
Pure Wheat Middlings	Preston
The Larabee Flour Mills Co., Kansas City, Mo.	
"Sunfed" Winter Wheat Bran, with Ground Wheat Screenings N. Ex. M. R.	Baltimore
Larrowe Milling Co., Div. of General Mills, Inc., Detroit, Mich.	
41% Protein Cottonseed Meal Prime Quality	Oakland
Larrowe's 32 Dairy Feed	Dickerson
The Ready Ration for Dairy Cows	Baltimore
Larrowe's 16 Dairy Feed	Baltimore
Larro Egg Mash	Baltimore
Larro Growing Grains	Baltimore
Larro Broiler Feed	Baltimore
Larro Chick Builder	Baltimore
Larro Chick Builder	Silver Spring
Larro Pig Builder	Baltimore
Larro Chick Grains	Baltimore
Dried Beet Pulp	Baltimore
Larro Scratch Grains	Baltimore
Larro Turkey Builder	Baltimore

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
10.08	16.00	17.29	3.00	4.45	6.00	4.91	6.35	56.92	A.
12.25	9.00	10.00	3.00	2.58	5.00	1.44	1.80	71.93	As declared on sack.
12.55	9.00	10.18	3.00	2.86	5.00	3.04	2.20	69.17	" "
10.37	9.00	10.09	3.00	3.22	5.00	3.08	1.65	71.59	" "
7.39	12.00	14.57	3.00	3.41	16.00	13.19	4.40	57.05	" "
.....	12.00	12.81	.50	x1.05	.....	.....	8.15	.....	" "
.....	10.50	10.44	.50	x .52	.....	.....	12.90	.....	" "
.....	10.50	11.23	.50	x .55	.....	.....	12.90	.....	" "
7.51	20.00	20.53	4.00	5.34	7.00	6.66	9.40	50.56	B.
10.09	6.00	5.97	4.80	2.75	10.50	10.48	13.45	57.26	As declared on sack.
10.38	16.50	18.86	3.50	3.33	5.00	4.14	2.35	60.94	" "
10.16	16.50	18.60	5.00	4.76	9.50	7.38	5.40	53.70	" "
7.33	14.00	14.57	4.00	4.36	9.50	9.43	6.20	58.11	" "
9.34	15.00	14.57	4.00	3.83	7.00	6.29	3.85	62.12	" "
9.86	13.00	13.34	3.00	2.99	10.00	9.68	5.00	59.13	" "
8.41	13.00	15.53	3.00	4.92	7.00	3.83	3.40	63.91	" "
9.93	15.00	16.50	3.50	4.15	11.00	8.29	6.41	54.72	" "
7.46	41.00	42.65	6.00	6.09	10.00	10.98	7.75	25.07	" "
7.66	32.00	32.99	4.00	5.03	10.50	10.56	9.10	34.66	" "
8.71	20.00	21.15	3.75	4.24	12.00	11.51	6.24	48.15	" "
7.60	16.00	17.72	3.00	4.03	11.00	11.13	6.04	53.48	" "
8.57	20.00	21.15	4.00	4.61	7.50	7.03	9.46	49.18	" "
12.02	10.00	10.00	2.00	3.19	4.00	1.75	2.00	71.04	" "
7.89	18.00	19.04	4.00	4.73	6.50	6.02	8.82	53.50	" "
7.56	19.00	20.88	4.00	4.71	7.00	6.98	9.48	50.39	" "
8.54	19.00	20.27	4.00	4.45	7.00	6.94	10.10	49.70	" "
7.52	17.50	18.95	4.00	5.09	7.50	6.88	1.58	59.98	" "
8.90	10.00	10.71	2.00	3.73	4.00	2.07	1.58	73.01	" "
9.26	7.00	8.86	.30	.45	22.50	22.83	3.20	55.40	" "
10.09	10.00	10.09	2.00	2.66	4.00	3.21	1.56	72.39	" "
8.40	24.00	24.48	4.50	5.33	6.50	5.62	11.65	44.52	" "

A—No ingredients listed on sack.
B—Unable to detect Corn Gluten Meal—also detected Soybean Oil Meal.
x—Fat as determined by the Roese-Gottleib method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Leisters Feed Store, Millers, Md.	
Hamco Egg Mash	Millers
‡Hamco Growing Mash, with Panamin	Millers
The Liberty Milling Co., Germantown, Md.	
*Liberty 32% Mixing Ration	Germantown
*Liberty 32% Mixing Ration	Germantown
*Montgomery 26% Dairy Ration	Germantown
*Liberty 22% Dairy Ration	Germantown
Liberty Special 16% Dairy Feed	Germantown
Liberty Growing Mash	Germantown
*Liberty Hog Meal	Germantown
Winter Wheat Bran	Gaithersburg
Winter Wheat Middlings, with M. R. S.	Germantown
Liberty Baby Chick Starter	Germantown
Liberty Scratch Grains	Germantown
Lindsey, Robinson & Co., Inc., Roanoke, Va.	
Pure Winter Wheat Bran	Hagerstown
Pure Bran and Middlings Mixed	Hagerstown
The Linwood Elevator Co., Linwood, Md.	
Linwood Dairy Feed	Linwood
Linwood Laying Mash	Medford
Linwood Complete Pig Meal	Medford
Samuel C. Long, Wicomico, Md.	
Pure Wheat Bran	Wicomico
*Pure Wheat Middlings	Wicomico
Louisiana State Rice Milling Co., Inc., Abbeville, La.	
Water Maid Rice Bran	Baltimore
L. B. Lovitt & Co., Memphis, Tenn.	
"Lovit Brand" 41% Protein Cotton Seed Meal	Maugansville
"Lovit Brand" 41% Protein Cotton Seed Meal	Maugansville
"Lovit Brand" 41% Protein Cotton Seed Meal	Adamstown
Maritime Milling Co., Inc., Buffalo, N. Y.	
Sweetened Bull Brand "24" Dairy Ration	Mardela Springs
‡Sweetened Bull Brand "24" Dairy Ration	Baltimore
‡Hi-Test Dairy Feed 24% Protein Sweetened	Baltimore
‡Hi-Test Dairy Feed 20% Protein Sweetened	Mardela Springs
Marmico 16% Protein Dairy Feed, with Molasses	Baltimore
‡Marmico 16% Protein Dairy Feed, with Molasses	Mardela Springs
‡B-B. Daisy Egg Mash Vitamized with Cod Liver Oil and DBM.	Baltimore
‡B-B. Broiler Ration Vitamized with Cod Liver Oil, Milk Sugar Feed and DBM	Baltimore
‡B-B. Calf Meal Vitamized with Cod Liver Oil and Dried Skim Milk	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.96	20.00	20.80	4.00	4.65	8.00	8.57	11.05	47.97	As declared on sack.
8.65	16.50	18.08	4.00	5.34	7.00	6.75	8.80	52.38	" "
6.88	32.00	30.41	4.00	5.42	11.00	7.79	9.20	40.30	" "
9.69	32.00	30.67	4.00	5.24	11.00	7.96	9.05	37.39	" "
8.03	26.00	23.73	5.00	4.77	9.00	8.61	7.96	46.90	" "
8.65	22.00	23.69	5.00	4.36	10.00	12.86	7.28	43.16	" "
9.31	16.00	17.25	3.50	3.73	15.00	9.69	6.70	53.32	" "
7.69	18.00	18.34	4.00	5.03	6.50	6.30	8.62	54.02	A.
6.75	20.00	21.67	5.00	4.37	5.00	6.26	7.48	53.47	As declared on sack.
8.89	14.00	14.13	4.00	4.19	10.50	9.59	6.44	56.76	" "
9.63	14.00	16.23	4.00	5.50	10.00	4.25	3.60	60.79	B.
7.96	17.00	17.72	4.50	4.91	6.00	5.57	7.50	56.34	As declared on sack. C.
10.66	10.00	9.21	3.50	3.52	3.00	2.67	1.52	72.42	D.
7.72	15.50	15.09	4.00	4.37	9.50	8.83	6.80	57.19	As declared on sack.
8.21	15.00	15.27	4.00	4.10	7.00	8.02	6.10	58.30	" "
8.32	16.00	20.88	3.50	3.93	15.00	9.91	8.30	48.66	" "
7.11	18.00	19.66	4.50	4.24	8.00	6.84	8.75	53.40	" "
7.96	15.00	18.08	4.00	3.97	7.00	8.20	8.15	53.64	" "
7.75	13.00	14.13	4.00	3.77	10.00	8.37	5.20	60.78	" "
8.87	13.00	13.34	4.00	2.82	5.00	2.71	2.15	70.11	" "
7.41	12.00	13.78	12.00	15.97	12.00	11.05	11.95	39.84	" "
6.14	41.00	41.07	5.00	6.77	13.00	11.03	7.10	27.89	" "
5.45	41.00	41.46	5.00	6.29	13.00	11.68	6.30	28.82	" "
5.44	41.00	40.98	5.00	6.56	13.00	12.23	6.48	28.31	" "
10.97	24.00	23.86	4.00	4.64	9.00	9.72	7.60	43.21	" "
10.09	24.00	24.00	4.00	3.58	9.00	9.21	7.57	45.55	" "
9.92	24.00	23.50	4.00	4.54	12.00	10.91	8.49	42.64	" "
10.34	20.00	20.05	4.00	5.65	12.00	11.78	8.17	44.01	" "
10.83	16.00	17.59	4.00	4.06	12.00	11.28	7.17	49.07	" "
11.93	16.00	17.15	4.00	4.11	12.00	10.80	9.16	46.85	" "
8.08	20.00	20.18	3.50	4.14	9.00	8.26	10.28	49.06	" "
7.95	20.00	19.92	4.00	4.06	7.00	6.85	9.30	51.92	" "
8.37	22.00	24.39	4.00	4.81	5.00	4.76	6.62	51.05	" "

A—Ingredients on sack differ from license.
B—Protein and Fibre guarantee on sack differ from license.
C—Protein guarantee on sack differs from license.
D—Fat and Fibre guarantee and ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Earl Martin, Hagerstown, Md.	
Reid 24% Dairy Feed	Hagerstown
Reid 20% Dairy Feed	Hagerstown
The Maryland Tobacco Growers Association, Baltimore, Md.	
Marasso 32% Dairy Feed	Huntingtown
Marasso 24% Milk Maker Dairy Feed	Huntingtown
‡Marasso 20% Dairy Feed	Baltimore
Marasso 16% Dairy Feed	Huntingtown
‡Marasso 16% Dairy Feed	Baltimore
Marasso Laying Mash (with Alfalfa)	Huntingtown
‡Marasso Laying Mash (with Alfalfa)	Baltimore
Marasso Market Laying Mash	Huntingtown
‡Marasso Market Laying Mash	Baltimore
Marasso Growing Mash	Baltimore
Marasso Growing Mash	Huntingtown
Marasso Horse Feed	Huntingtown
‡Marasso Horse Feed	Baltimore
Marasso Hog Feed	Clements
Marasso Hog Feed	Huntingtown
‡Marasso Hog Feed	Baltimore
Marasso Starting Mash	Huntingtown
‡Marasso Starting Mash	Baltimore
Marasso Chick Scratch	Baltimore
Marasso Coarse Scratch	Huntingtown
Marasso Turkey Growing Mash	Baltimore
Marasso Turkey Starting Mash	Baltimore
Maurer Manufacturing Co., Newark, N. J.	
Kwality Meat and Bone Scrap	Berlin
McMillen Feed Mills, Inc., Fort Wayne, Ind.	
Master Soy	Hampstead
‡Big "C" 20% Dairy Feed	Lineboro
Big "C" 16% Dairy Feed	Lineboro
*Master Mix 32% Dairy Concentrate	Lineboro
Master Mixing Feed	Lineboro
‡Master Mix 14% Hog Feed	Lineboro
‡Master Mix Chick Starter	Lineboro
Meadow Brook Farms, Nazareth, Pa.	
Meadow Brook Farms Superior Dehydrated Alfalfa Meal	Berlin
Medford Grocery Co., Medford, Md.	
*Pure Corn Meal	Medford
Menhaden Fish Meal Co., Baltimore, Md.	
‡*Meat and Bone Scrap	Ellicott City
Meat and Bone Scrap	Thurmont
Meat and Bone Scrap	Baltimore
*Fish Meal	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.69	24.00	27.40	4.00	5.02	12.00	10.26	7.53	39.10	A.
11.06	20.00	21.64	4.00	3.71	12.00	12.00	8.01	43.58	B.
9.53	32.00	32.52	4.00	4.08	8.50	6.34	7.13	40.40	As declared on sack.
9.38	24.00	24.02	4.00	3.94	8.50	7.50	7.05	48.11	" "
10.79	20.00	20.96	4.00	4.04	8.50	7.94	5.92	50.35	" "
8.01	16.00	16.40	3.50	3.12	12.00	12.74	5.89	53.84	" "
9.79	16.00	17.59	3.50	3.73	12.00	8.33	7.02	53.54	" "
7.58	20.00	20.71	4.00	4.14	7.00	5.99	9.70	51.88	" "
8.64	20.00	20.36	4.00	4.62	7.00	5.77	9.26	51.35	" "
8.99	20.00	21.59	4.00	4.14	7.00	5.82	10.85	48.61	" "
6.52	20.00	20.45	4.00	4.69	7.00	5.88	10.44	52.02	" "
7.58	17.50	19.66	4.00	4.11	6.50	7.31	7.25	54.09	" "
9.48	17.50	20.88	4.00	4.01	6.50	7.19	7.50	50.94	" "
9.44	9.00	12.62	3.50	3.30	9.00	6.95	4.67	63.02	" "
11.45	9.00	11.47	3.50	4.19	9.00	6.99	4.01	61.89	" "
7.59	14.00	16.23	3.50	3.49	6.00	7.42	6.10	59.17	" "
8.24	14.00	14.92	3.50	3.77	6.00	6.08	7.45	59.54	" "
8.60	14.00	15.71	3.50	3.41	6.00	7.61	6.44	58.23	" "
7.51	17.50	20.27	4.00	3.93	6.00	6.08	9.85	52.36	" "
6.26	17.50	17.55	4.00	4.17	6.00	8.73	8.74	54.55	" "
8.18	10.00	10.79	2.50	4.84	3.00	2.58	3.40	70.21	" "
10.81	10.00	9.23	2.50	2.52	3.00	2.12	1.50	73.82	" "
7.39	19.00	20.36	4.00	4.24	7.00	6.55	9.05	52.41	" "
6.19	24.00	24.75	4.00	4.60	6.00	6.34	10.90	47.22	" "
5.66	50.00	49.93	6.00	9.84	3.00	2.57	31.14	.86	" "
5.91	37.00	39.84	3.50	5.07	6.50	5.92	12.55	30.71	" "
9.75	20.00	22.12	3.00	3.66	12.50	12.36	10.22	41.89	" "
10.36	16.00	17.15	3.00	3.62	15.00	12.01	9.49	47.37	B.
8.85	32.00	29.04	4.00	3.96	9.00	7.74	10.04	40.37	As declared on sack.
10.18	24.00	28.22	3.00	2.99	8.00	7.37	9.26	41.98	" "
9.69	14.00	19.62	3.50	3.99	7.00	6.54	7.94	52.22	" "
7.83	17.00	17.11	4.00	3.96	7.00	6.37	10.75	53.98	" "
7.78	17.00	16.15	2.00	2.45	27.00	25.70	8.44	39.48	" "
9.74	9.00	9.30	4.00	3.26	3.00	3.10	1.40	73.20	" "
7.71	55.00	53.97	8.00	12.29	2.00	1.34	21.55	3.14	" "
6.51	50.00	52.30	8.00	11.38	2.00	2.42	27.05	.34	" "
5.72	50.00	52.82	8.00	8.98	2.00	2.22	29.94	.32	" "
7.60	58.00	63.18	6.00	5.20	2.00	.20	15.25	8.57	" "

A—No ingredients listed on sack.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Menhaden Fish Meal Co., Baltimore, Md. (Continued)	
*Fish Meal	Mt. Airy
Fish Meal	Baltimore
‡†Steamed Bone Meal	Maple Grove
The Mennel Milling Co., Toledo, Ohio	
Memo Wheat Flour Middlings, with M. R. S.	Baltimore
Henry Mesner & Son, Baltimore, Md.	
‡E-Z-Fed Laying Mash, with BM., Minerals and Cod Liver Oil	Baltimore
‡Mesner's Special Scratch Feed	Baltimore
Metcalfe Brothers, Chestertown, Md.	
Special Laying Mash	Chestertown
Leo H. Michael, Buckeystown, Md.	
‡Michael's Laying Mash	Buckeystown
The Mt. Airy Milling Co., Mt. Airy, Md.	
Lamore Egg Mash	Mt. Airy
Husky Growing Mash	Mt. Airy
Winter Wheat Bran, with M. R. S.	Mt. Airy
Winter Wheat Middlings, with M. R. S.	Mt. Airy
Husky Starter Mash	Mt. Airy
Lamore Scratch Feed	Mt. Airy
Mutual Rendering Co., Inc., Philadelphia, Pa.	
Mureco Meat Scrap	Westminster
Mureco Meat Scrap	Frederick
Mureco Meat Scrap	Cambridge
Mureco Fish Meal	Cambridge
Nebraska Consolidated Mills Co., Omaha, Neb.	
‡Nebco Wheat Bran (Pure)	Cambridge
I. H. Nester & Co., Philadelphia, Pa.	
"Nestco Buttermilk"	Denton
The Neumond Co., St. Louis, Mo.	
‡Dried Brewers' Grains	Centreville
The Newsome Feed & Grain Co., Pittsburgh, Pa.	
Palmo Midds	Westminster
O. A. Newton & Son Co., Bridgeville, Del.	
"Cedar View" Laying Mash	Easton
"Cedar View" Growing Mash	Easton
"Cedar View" Chick Starter	Easton
Norton & Co., Washington, D. C.	
Bone and Meat Scrap	Derwood

* Deficient in protein or fat.
† Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients	
6.28	58.00	63.97	6.00	5.38	2.00	.65	14.90	8.82	As declared on sack.	
5.17	58.00	68.10	4.00	3.83	1.75	.54	.14.92	7.44	" "	A.
5.92	5.00	2.02	1.00	.44	3.00	.37	91.20	.05	" "	
10.38	15.00	15.97	4.00	4.12	6.50	4.95	3.75	60.83	" "	
7.08	20.00	20.18	4.00	4.22	7.00	8.96	13.15	46.41	" "	
10.26	10.00	9.39	2.50	2.51	5.00	2.46	1.55	73.83	B.	
9.98	20.00	22.29	4.00	4.37	10.00	7.91	7.85	47.60	As declared on sack.	
8.91	18.00	19.97	5.00	5.02	12.00	9.74	9.85	46.51	" "	
8.01	19.00	21.67	5.50	5.16	8.00	7.72	11.80	45.64	As declared on sack.	
6.87	18.00	18.60	4.00	4.10	7.00	7.54	11.10	51.79	" "	
7.43	15.00	14.48	4.00	3.99	10.50	10.52	6.80	56.78	" "	
8.09	16.00	15.97	4.00	4.44	6.00	5.30	4.15	62.05	" "	
7.28	15.00	14.48	4.00	5.08	6.00	4.66	6.15	62.35	" "	
8.78	10.00	9.74	3.00	2.96	4.00	2.82	1.65	74.05	" "	
6.18	55.00	55.64	6.00	11.70	2.00	2.68	25.15	.....	" "	
6.84	55.00	57.39	6.00	9.64	2.00	1.87	25.60	.....	" "	
5.61	55.00	55.29	6.00	10.79	2.00	2.38	24.94	.99	" "	
5.21	55.00	56.34	6.00	12.72	2.00	.88	19.64	5.21	" "	
6.69	15.00	17.02	3.50	4.65	11.00	10.42	6.90	54.32	" "	
.....	10.00	10.88	2.50	x 2.44	C27.00	C26.88	.....	.....	" "	
6.04	24.00	24.31	4.50	5.18	18.00	14.98	7.85	41.64	" "	
4.68	16.00	17.29	7.00	9.08	9.00	7.56	5.85	55.54	" "	
7.58	18.00	17.99	4.00	4.68	8.50	8.17	11.70	49.88	" "	
8.26	15.00	16.67	3.50	4.41	7.00	6.28	7.55	56.83	" "	
9.64	16.50	18.25	3.00	4.85	6.00	5.26	8.10	53.90	" "	
5.79	50.00	50.02	8.00	9.27	2.00	2.23	32.45	.24	" "	

A—Fat and Fibre guarantee on sack differs from license.
B—Unable to detect Sunflower Seed.
x—Fat as determined by the Roese-Gottlieb Method.
C—Total Solids.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Nuttle Milling Co., Denton, Md.	
Ideal Laying Mash, with Cod Liver Oil and BM.	Denton
Ideal Growing Mash, with BM. and Cod Liver Oil	Denton
Ideal Hog Feed	Denton
Pure Wheat Bran	Denton
Pure Wheat Middlings	Denton
Ideal Chick Starter, with BM. and Cod Liver Oil	Denton
Geo. F. Obrecht Co., Baltimore, Md.	
Obaco 24% Dairy Feed	Baltimore
*Obaco Laying Mash	Baltimore
Obaco Laying Mash	Baltimore
Obaco Chick Starter	Baltimore
Obaco Chick Starter	Baltimore
Obaco Scratch Feed	Baltimore
Old Fort Mills, Inc., Harrisburg, Pa.	
‡Old Fort Soy Bean Oil Meal	Frederick
Old Fort 24% Dairy Feed	Manchester
Old Clock 16% Dairy Feed	Reisterstown
Old Fort Mash Concentrate 34%, with Dried Milk	Reisterstown
Old Fort Molasses Mix	Hampstead
Old Clock Hog Feed	Reisterstown
Old Fort Pig Meal	Manchester
Old Fort Starter and Grower	Lewistown
Oldetyme Distillers, Inc., Cedarhurst, Md.	
*Distillers Dried Grains from Corn	Detour
Otterdale Milling Co., Taneytown, Md.	
Pure Wheat Bran	Taneytown
Pure Wheat Middlings	Taneytown
Owings Brothers, York, Pa.	
June Bug 22% Dairy Feed	Parkton
16% Dairy Feed	Jarrettsville
June Bug Laying Mash, with Cod Liver Oil	Jarrettsville
June Bug Growing Mash, with BM. and Cod Liver Oil	Jarrettsville
*June Bug Hog Feed	Parkton
Pure Wheat Bran	White Hall
*Pure Wheat Middlings	White Hall
June Bug Baby Chick Starter, with Cod Liver Oil	Jarrettsville
June Bug Chick Feed	Jarrettsville
June Bug Special Scratch	Jarrettsville
June Bug Turkey Starter, with Cod Liver Oil	Jarrettsville
The Park & Pollard Co., Buffalo, N. Y.	
‡Park & Pollard 32% Mixing Ration	Walkersville
‡Manamar Dairy Mixing Ration	Walkersville
Doublex 24% Dairy Ration	Walkersville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
8.96	20.00	20.18	5.00	5.16	8.00	8.17	11.30	46.23	As declared on sack.	
7.99	15.00	15.62	4.00	5.07	6.00	6.06	9.40	55.86	"	"
8.56	12.00	16.85	5.00	5.19	6.00	4.95	7.20	57.25	"	"
10.09	12.00	12.99	3.00	3.09	7.00	8.88	5.65	59.30	"	"
9.01	12.00	14.13	2.00	3.16	4.00	3.68	2.85	67.17	"	"
8.05	15.00	15.97	4.50	4.63	5.00	5.17	6.10	60.08	"	"
8.96	24.00	25.70	4.00	6.71	12.00	10.31	7.48	40.84	"	"
6.78	20.00	16.19	4.00	5.04	9.00	7.73	9.17	55.09	"	"
6.69	20.00	19.92	4.00	5.95	9.00	7.58	12.90	46.96	"	"
8.98	16.00	17.38	4.00	5.74	7.00	5.73	7.67	54.50	A.	
6.27	16.00	17.81	4.00	5.81	7.00	6.17	8.35	55.59	A.	
10.41	9.00	9.13	2.50	2.62	5.00	3.51	1.77	72.56	As declared on sack.	
7.21	41.00	43.53	5.00	5.10	7.00	6.28	5.60	32.28	"	"
9.93	24.00	25.50	4.50	4.48	12.00	11.53	9.11	39.45	"	"
9.73	16.00	18.42	3.75	4.01	12.00	11.38	8.85	47.61	"	"
6.81	34.00	36.94	4.00	5.13	8.00	6.73	13.05	31.34	A.	
10.61	24.00	29.35	3.50	3.69	8.00	7.85	10.07	38.43	As declared on sack.	
10.19	16.00	18.03	4.00	4.33	10.00	8.86	7.93	50.66	"	"
6.43	18.00	22.03	4.00	4.04	9.00	8.06	8.50	50.94	B.	
7.01	17.00	17.55	4.00	4.96	6.00	6.27	6.65	57.56	As declared on sack.	
8.01	28.00	29.57	12.00	8.51	14.00	15.66	1.65	36.60	"	"
7.77	14.00	14.39	3.50	3.56	10.00	9.85	5.95	58.48	"	"
8.37	15.00	15.97	3.50	5.13	5.00	4.61	3.60	62.32	"	"
7.26	22.00	23.08	4.00	4.68	11.00	11.45	7.60	45.93	"	"
10.54	16.00	18.75	3.00	3.44	12.00	11.71	9.44	46.12	"	"
7.10	20.00	20.53	3.00	5.31	7.00	7.52	13.50	46.04	"	"
8.79	16.00	16.32	3.00	3.96	8.00	7.76	7.55	55.62	"	"
8.12	18.00	16.76	3.00	3.89	10.00	8.38	8.40	54.45	"	"
8.13	15.00	14.95	3.00	4.71	9.00	8.97	6.90	56.34	"	" C.
9.16	14.00	14.30	4.00	3.42	5.00	5.56	3.95	63.61	"	" C.
8.44	18.00	17.38	3.00	3.49	6.00	5.99	7.25	57.45	"	"
9.41	10.00	11.67	2.50	7.48	4.00	2.62	2.55	66.27	"	"
11.34	9.00	9.04	2.50	2.08	4.00	2.48	1.15	73.91	"	"
8.09	25.00	25.10	3.00	6.22	7.00	6.11	11.35	43.13	"	"
9.00	32.00	31.97	4.00	4.37	9.00	8.89	9.79	35.98	"	"
9.59	26.00	27.46	4.00	4.42	9.00	7.93	10.78	39.82	"	"
9.76	24.00	25.61	3.50	4.72	11.00	9.11	9.66	41.14	"	"

A—Ingredients on sack differ from license.
B—Also detected Buckwheat Middlings.
C—Guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Park & Pollard Co., Buffalo, N. Y. (Continued)	
Milkmaid 24% Sweetened Dairy Feed	Walkersville
Doublex 16% Dairy Ration	Walkersville
Lay or Bust Dry Mash	Walkersville
Manamar Life Cycle Mash	Walkersville
H. G. Payne, Snow Hill, Md.	
Payne's Laying Mash	Snow Hill
Payne's Starting Mash	Snow Hill
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.	
Peevee Alfalfa Leaf Meal	Baltimore
Peevee Alfalfa Leaf Meal	Frederick
Velvet Brand Alfalfa Meal	Baltimore
Alfalfa Meal	Baltimore
Penick & Ford Ltd., Inc., Cedar Rapids, Iowa	
Douglas Corn Gluten Meal	Frederick
Douglas Corn Gluten Meal	Baltimore
Douglas Corn Gluten Feed	Baltimore
Perkins Oil Co., Memphis, Tenn.	
Golden Rod Brand Cottonseed Meal	Baltimore
Pfeffer Milling Co., Lebanon, Ill.	
Wheat Middlings, with Ground Wheat Screenings N. Ex. M. R.	Middleburg
Pillsbury Flour Mills Co., Minneapolis, Minn.	
Pillsbury's Hard Wheat Bran, with Ground Wheat Screenings N. Ex. M. R.	Frostburg
Pillsbuy's Hard Wheat A. Middlings, with Ground Wheat Screenings N. Ex. M. R.	Frostburg
Pillsbury's Hard Wheat Standard B. Middlings, with Ground Wheat Screenings N. Ex. M. R.	Frostburg
Pillsbury's X. X. Daisy	Berwyn
Maurice Pincoffs Co., Houston, Texas	
41% Protein Cotton Seed Meal	Ellicott City
Pittsburgh Melting Co., Pittsburgh, Pa.	
Steel Cut Meat and Bone Scrap	Grantsville
Planters Nut & Chocolate Co., Suffolk, Va.	
Planters 50% Protein Peanut Meal	Darlington
Planters 41% Protein Peanut Meal	Frederick
Planters 41% Protein Peanut Meal	Sykesville
Planters 41% Protein Peanut Meal	Baltimore
Potomac Mills, Hancock, Md.	
‡Pure Wheat Bran	Hagerstown
‡Pure Wheat Middlings	Hagerstown

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
10.00	24.00	25.82	4.00	4.04	10.00	7.50	7.88	44.76	As declared on sack.	
10.67	16.00	17.04	3.50	3.49	12.00	7.67	9.30	51.83	"	"
9.27	18.00	18.08	3.00	4.23	7.00	7.01	8.75	52.66	"	"
6.72	16.00	18.08	3.50	4.04	7.00	8.09	10.75	52.32	"	"
7.45	19.00	20.01	4.50	4.90	7.00	7.45	12.65	47.54	"	"
9.19	15.00	18.78	4.00	5.45	6.00	5.71	7.65	53.22	"	"
7.75	20.00	20.36	2.50	2.51	18.00	16.37	13.55	39.46	"	"
6.41	20.00	20.71	2.50	2.53	18.00	17.48	12.22	40.65	"	"
7.73	17.00	18.16	1.50	2.77	27.00	16.28	13.00	42.06	"	"
7.09	13.00	12.11	1.50	1.78	33.00	33.11	9.05	36.86	"	"
7.56	43.00	43.00	1.00	3.60	4.00	4.39	3.50	37.95	"	"
9.24	43.00	45.14	1.00	1.78	4.00	4.11	2.82	36.91	"	"
8.36	25.00	28.70	1.50	1.85	8.50	7.83	7.64	45.62	"	"
7.01	41.00	40.98	5.00	5.74	12.00	11.21	8.15	26.91	"	"
7.87	16.00	16.23	4.50	4.47	6.00	5.94	3.60	61.89	"	"
9.01	14.00	15.01	4.00	4.13	12.00	11.49	7.30	53.06	"	"
10.55	16.00	18.52	4.00	4.02	6.00	4.95	5.60	56.36	"	"
10.39	15.00	17.90	4.00	5.13	9.50	9.23	6.70	50.65	"	"
9.53	16.00	17.29	4.00	4.66	4.00	4.05	3.75	60.72	"	"
5.98	41.00	41.86	5.00	6.61	14.00	11.89	5.70	27.96	"	" A.
6.33	50.00	49.85	5.00	14.16	3.00	1.63	27.85	.18	"	"
4.64	50.00	52.70	5.00	5.38	6.00	4.98	4.90	27.40	"	"
7.95	41.00	41.86	6.00	7.96	10.00	5.43	5.30	31.50	"	"
5.00	41.00	42.74	6.00	7.89	10.00	5.20	5.15	34.02	"	"
7.81	41.00	43.79	6.00	7.32	10.00	4.93	5.10	31.05	"	"
8.54	14.00	13.78	3.50	3.61	10.00	5.95	3.80	64.32	"	"
9.49	14.00	13.69	3.50	3.45	6.00	3.67	3.15	66.55	"	"

A—Fibre guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Pratt Food Co., Buffalo, N. Y.	
Pratts Sweet 32% Dairy Feed	Centreville
Pratts Sweet 24% Dairy Feed	Ellicott City
Pratts Sweet 24% Dairy Feed	Berwyn
Utility Sweet 24% Dairy Feed	Ellicott City
Pratts Sweet 20% Dairy Feed	Chestertown
Pratts Sweet 16% Dairy Feed	Ellicott City
*Pratts Cak Cak Egg Mash	Ellicott City
Pratts Laying Mash	Ellicott City
Pratts Laying Mash, with BM.	Berwyn
Pratts Utility Growing Mash	Berwyn
Pratts Utility Growing Mash	Hagerstown
Pratts Growing Mash	Sudlersville
Pratts Growing Mash	Ellicott City
Pratts C-Ka-Gene Ration	Sudlersville
Pratts Dry and Freshing Feed	Centreville
Pratts Horse Feed	Centreville
‡Pratts Bulky Sweet Feed	Sudlersville
†Pratts 40% Hog Supplement	Centreville
Pratts Sugared Hog Feed	Ellicott City
Pratts Fattening Mash	Ellicott City
Pratts Broiler Mash	Ellicott City
Utility Starter and Grower	Hagerstown
Pratts Baby Chick Food	Centreville
Pratts Circle A. Scratch Feed	Ellicott City
Pratts Circle A. Scratch Feed	Berwyn
‡Pratts Wheat and Corn Scratch Feed	Berwyn
Pratts Pigeon Feed no Corn	Baltimore
Pratts Turkey Growing and Finishing Mash	Hagerstown
Pratts Complete Rabbit Pellets	Ellicott City
Princess Anne Milling Co., Princess Anne, Md.	
Pure Wheat Bran	Princess Anne
Pure Wheat Middlings	Princess Anne
Quaker City Flour Mills Co., Philadelphia, Pa.	
Quaker City Winter Wheat Bran	Pocomoke City
Quaker City Winter Wheat Middlings	Pocomoke City
The Quaker Oats Co., Chicago, Ill.	
Quaker 24% Protein Dairy Ration	Baltimore
Quaker 16% Protein Dairy Feed	Cumberland
Big Egg Laying Mash-Pellets	Boonsboro
Big Egg Laying Mash	Baltimore
Big Egg Laying Mash	Princess Anne
Ful-O-Pep Growing Mash	Baltimore
Ful-O-Pep Egg Breeder Mash	Baltimore
Ful-O-Pep Egg Breeder Mash	Princess Anne
Quaker Sugared Schumacher Feed	Baltimore
Quaker Green Cross Horse Feed	Baltimore
Sugared Vim Oat Feed	Baltimore

* Deficient in protein or fat.
† Deficient in both protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.62	32.00	33.73	4.50	5.14	9.00	8.94	10.16	33.41	As declared on sack.
10.71	24.00	24.96	4.00	4.10	10.00	8.76	7.46	44.01	" "
9.88	24.00	24.04	4.00	4.18	10.00	8.23	8.92	44.75	A.
10.00	24.00	25.29	4.00	4.11	10.00	10.13	7.94	42.53	As declared on sack.
9.47	20.00	20.07	4.00	3.61	12.00	12.15	9.64	45.06	" "
10.50	16.00	18.72	3.50	3.43	12.00	11.10	8.50	47.75	" "
7.44	18.00	19.48	4.00	3.49	8.00	7.15	8.56	53.88	" "
6.87	20.00	22.55	3.50	3.63	7.25	6.12	9.58	51.25	" "
9.18	20.00	22.99	4.50	4.54	7.25	6.69	11.35	45.25	" "
9.45	16.00	18.43	4.00	4.73	6.00	6.09	8.90	52.40	" "
7.49	16.00	18.43	3.50	4.55	7.00	7.62	8.95	52.96	" "
9.14	17.50	18.43	3.50	4.12	7.00	6.79	9.75	51.77	B.
9.08	17.50	18.08	3.50	4.69	7.00	6.59	10.30	51.26	B.
8.74	17.00	18.47	3.50	6.05	6.00	6.03	10.25	50.46	As declared on sack.
10.76	12.50	15.03	4.00	3.76	8.00	8.28	8.47	53.70	" "
11.18	9.00	12.07	2.00	3.95	10.00	8.01	4.65	60.14	" "
10.68	11.00	12.80	2.00	2.54	14.00	12.03	7.75	54.20	" "
6.42	40.00	37.91	5.00	4.09	7.00	7.85	12.80	30.93	" "
9.83	15.00	19.66	4.50	4.47	10.00	9.53	12.46	44.05	" "
9.67	14.00	14.22	4.50	4.17	5.00	5.53	6.15	60.26	" "
7.07	18.50	20.80	4.00	4.06	7.00	5.83	8.34	53.90	" "
7.75	16.00	18.78	3.50	3.98	6.50	5.69	8.35	55.45	" "
8.38	16.00	17.29	3.50	4.36	4.00	4.32	7.10	58.55	" "
11.45	10.00	11.50	2.00	2.89	4.00	2.81	2.15	69.20	" "
12.06	10.00	11.93	2.00	3.47	4.00	2.97	1.54	68.03	" "
12.07	10.00	11.76	2.00	2.88	4.00	2.35	1.70	69.24	" "
11.59	12.00	15.80	2.00	3.58	4.00	4.56	2.25	62.22	" "
6.62	21.00	21.41	5.00	5.33	7.00	7.57	10.65	48.42	" "
6.43	14.00	14.92	2.00	2.74	20.00	21.81	7.96	46.14	" "
7.88	14.00	13.78	3.50	3.83	9.00	7.41	6.20	60.90	" "
9.34	13.00	13.42	3.50	5.65	10.00	5.42	3.60	62.57	" "
10.59	13.00	14.04	3.00	3.88	10.50	10.00	5.70	55.79	" "
11.23	14.00	16.06	4.00	5.33	5.50	3.93	4.00	59.45	" "
8.84	24.00	25.60	3.50	4.12	12.00	11.44	7.24	42.76	As declared on sack.
9.43	16.00	16.85	3.00	3.16	13.50	13.21	10.64	46.71	" "
6.92	20.00	22.38	4.00	5.58	8.00	7.87	6.60	50.65	" "
11.47	20.00	20.26	4.00	5.36	8.00	8.15	5.36	49.40	" "
9.74	20.00	20.62	4.00	5.45	8.00	8.00	7.31	48.88	" "
9.00	19.00	19.29	5.00	5.53	7.00	7.05	4.08	55.05	" "
9.57	20.00	19.94	4.50	5.28	8.00	7.63	8.54	49.04	" "
8.14	20.00	20.06	4.50	5.11	8.00	6.74	7.90	52.05	" "
8.70	10.00	10.44	3.00	2.93	12.00	11.97	6.18	59.78	" "
9.43	10.00	11.78	2.50	3.82	12.00	12.07	6.34	56.56	" "
11.74	4.50	5.69	1.25	1.61	27.50	26.94	6.48	47.54	" "

A—Also detected Corn Gluten Meal.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Quaker Oats Co., Chicago, Ill. (Continued)	
Vim Oat Mill Feed	Baltimore
Quaker Pig-N-Hog Feed	Baltimore
Ful-O-Pep Broiler Mash	Federalsburg
Big Egg Chick Starter-Growing Mash	Hagerstown
Big Egg Chick Starter-Growing Mash-Pellets	Boonsboro
Ful-O-Pep Chick Starter	Baltimore
Ful-O-Pep Chick Starter	Princess Anne
Quaker Ful-O-Pep Fine Chick Feed	Baltimore
Ful-O-Pep Coarse Chick Feed	Baltimore
Ful-O-Pep Scratch Grains	Baltimore
Queen Anne Roller Mill, Queen Anne, Md.	
Queen Anne Poultry Mash	Queen Anne
Pure Wheat Bran	Queen Anne
Pure Wheat Middlings	Queen Anne
Ralston Purina Co., St. Louis, Mo.	
Purina Milking Cow Chow 34%	Frederick
Purina Milking Cow Chow 24%	Annapolis
Protena 20% Dairy Feed	Hyattsville
Purina Milking Cow Chow 20%	Annapolis
Purina Milk Chow	Taneytown
Purina Milk Chow	Annapolis
Purina Milking Cow Chow	Hampstead
Purina Egg Chowder	Towson
Purina Lay Chow	Reisterstown
Purina Layena (Complete Ration)	Annapolis
Purina Layena (Complete Ration)	Hyattsville
Purina Hen Chow	Hyattsville
Purina Dry and Freshening Chow	Annapolis
Purina Broiler Chow	Pocomoke City
Purina Broiler Chow	Salisbury
Purina Broiler Chow	Frederick
Purina Broiler Chow (Pellet Form)	Pocomoke City
Purina Bulky Omolene	Hyattsville
Purina Steer Fatena	Towson
Purina Family Flock Chow	Salisbury
Purina Pig and Hog Chow	Frederick
Purina Calf Startena	Ellicott City
Purina Calf Startena	Salisbury
Purina Chicken Fat Chow	Taneytown
Purina Chick Growena	Hyattsville
Purina Chick Growena	Frederick
Purina Chick Startena	Frederick
Purina Chick Startena	Towson
Purina Chick Chow (Fine)	Towson
Purina Turkey Growing Chow	Towson

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
7.38	5.00	5.27	1.50	1.76	30.00	33.37	6.68	45.54	As declared on sack.	
10.05	16.00	17.55	3.50	4.23	10.00	6.40	7.87	53.90	"	"
10.98	19.00	20.30	4.50	4.79	7.00	6.54	6.89	50.50	"	"
9.28	17.00	17.84	4.00	5.46	8.00	7.60	6.53	53.29	"	"
6.72	17.00	19.13	4.00	5.72	8.00	7.76	6.75	53.92	"	"
10.59	17.00	16.93	4.50	5.55	7.00	6.67	5.86	54.40	"	"
8.42	17.00	18.32	4.50	6.18	7.00	6.58	2.13	58.37	"	"
10.92	11.00	10.62	2.50	3.07	2.00	2.05	1.80	71.54	"	"
11.16	10.00	9.65	2.00	2.93	2.50	2.17	1.40	72.69	"	"
11.18	9.00	9.21	2.00	3.64	3.00	2.55	1.75	71.67	"	"
9.48	19.00	19.04	5.00	4.88	7.00	7.69	8.15	50.76	"	"
9.55	14.00	14.22	3.00	3.07	9.00	12.98	6.50	53.68	"	"
12.11	13.00	13.78	3.00	2.86	6.00	4.85	2.50	63.90	"	"
11.22	34.00	34.20	3.50	4.65	12.00	7.62	8.53	33.78	"	"
9.92	24.00	26.26	4.00	4.90	12.00	9.26	8.23	41.43	"	"
10.09	20.00	20.02	3.50	3.73	12.00	9.37	8.56	48.23	"	"
11.17	20.00	21.16	4.00	4.19	12.00	8.74	8.40	46.34	"	"
11.00	18.00	18.02	3.20	3.44	12.00	10.02	8.10	49.42	"	"
9.48	18.00	18.58	3.20	3.78	12.00	8.79	8.25	51.12	"	"
11.44	16.00	18.09	3.50	3.56	12.00	11.36	8.29	47.26	"	"
6.30	21.00	21.59	4.00	5.46	8.00	7.77	10.75	48.13	"	"
6.73	21.00	23.34	4.00	5.43	8.00	8.04	12.15	44.31	"	"
8.38	15.50	17.64	3.50	4.49	8.00	6.11	8.95	54.43	"	"
9.08	15.50	17.55	3.50	4.49	8.00	5.48	9.30	54.10	"	"
8.92	10.00	10.27	2.50	3.15	4.00	2.35	1.50	73.81	"	"
10.21	12.50	15.62	2.50	2.64	14.00	12.05	10.02	49.46	"	"
9.69	18.00	20.80	4.00	3.99	7.00	7.07	7.35	51.10	"	"
10.04	18.00	20.15	4.00	4.02	7.00	6.97	10.56	48.26	"	"
8.46	18.00	20.71	4.00	4.39	7.00	6.98	6.75	52.71	"	"
6.90	18.00	20.80	4.00	4.40	7.00	6.80	6.90	54.20	"	"
9.66	10.00	10.82	3.20	3.84	11.00	8.56	5.16	61.96	"	"
10.33	12.00	15.50	2.00	4.21	10.00	10.08	9.24	50.64	"	"
10.45	18.00	19.13	3.50	3.97	8.00	7.52	11.00	47.93	"	"
8.71	36.00	37.33	3.00	5.90	14.00	12.52	11.35	24.19	"	"
10.98	19.50	22.08	3.00	3.60	9.50	9.32	7.66	46.36	"	"
10.90	19.50	20.57	3.00	3.70	9.50	8.84	7.17	48.82	"	"
8.47	15.50	16.15	3.00	3.29	5.00	5.01	4.15	62.93	"	"
10.59	15.00	18.43	3.50	4.26	7.00	6.86	6.60	53.26	"	"
7.88	15.00	18.25	3.50	4.45	7.00	6.46	5.95	57.01	"	"
8.59	18.00	20.80	4.00	4.92	7.00	5.92	7.05	52.72	"	"
6.66	18.00	21.06	4.00	5.07	7.00	5.47	6.60	55.14	"	"
9.68	10.00	12.90	2.00	2.99	4.00	2.09	1.75	70.59	"	"
8.84	21.00	22.38	3.50	4.91	8.00	6.19	7.15	50.53	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Red Lion Mill, Millington, Md.	
‡Red Lion Dairy Ration	Millington
‡Red Lion Laying Mash	Millington
‡Red Lion Starting Mash	Millington
A. F. Rees, Inc., Hanover, Pa.	
*Rees Meat Scrap	Ellicott City
Rees Meat Scrap	Middleburg
The Reindollar Co., Taneytown, Md.	
20% Dairy Ration	Taneytown
16% Sweet Dairy Feed	Taneytown
32% Hi-Concentrate	Taneytown
Egg Mash, with Cod Liver Oil	Taneytown
Egg Mash	Taneytown
Growing Mash	Taneytown
Pig and Hog Meal	Taneytown
Pure Winter Wheat Bran	Taneytown
Winter Wheat Middlings, with Mill Run of Screenings	Taneytown
Starting Mash	Taneytown
Scratch Grains	Taneytown
Rice Laboratories, Inc., Dassel, Minn.	
*Universal Stock and Poultry Yeast Culture	Salisbury
The Richards Milling Co., Cortland, Ohio	
*Richards Cash Dairy Feed	Friendsville
Richards 16% Dairy Feed	Friendsville
Richards Cash Laying Mash	Friendsville
Richards Thrift Growing Mash	Friendsville
Pure Wheat Bran	Friendsville
Richards Starting Mash	Friendsville
Richards Special Chop	Friendsville
Richards Thrift Baby Chick Feed	Friendsville
Richardson Brothers, Westminster, Md.	
Richardson's Honey Boy Walck Laying Mash	Westminster
Richardson's Honey Boy Growing Mash	Westminster
Richardson's Honey Boy Horse Feed	Westminster
Richardson's Honey Boy Pig and Hog Meal	Westminster
Richardson's Honey Boy Chick Starter	Westminster
Daniel Rider, Baltimore, Md.	
‡Winner 16% Dairy Feed	Baltimore
‡Winner Horse Feed	Baltimore
Rinaman & Brown, Hampstead, Md.	
Browns Egg Mash	Hampstead
Browns Chick Starter	Hampstead

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein Guaranteed	Protein Found	Fat Guaranteed	Fat Found	Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients
9.99	20.00	20.62	4.50	4.79	9.00	8.42	3.80	52.38	As declared on sack.
10.30	20.00	19.66	4.00	4.12	9.00	8.37	6.80	50.75	" "
9.76	17.00	17.38	4.00	4.92	5.00	6.12	6.90	64.92	" "
7.18	55.00	55.90	10.00	8.79	2.25	2.23	23.65	2.25	" "
4.82	50.00	51.16	10.00	11.29	2.25	1.62	28.90	2.21	" "
6.14	20.00	22.90	4.00	4.13	12.50	10.49	7.55	48.79	" "
11.05	16.00	16.78	3.00	2.96	11.00	10.85	7.60	50.76	" "
6.48	32.00	32.38	4.00	4.72	12.00	10.32	8.10	38.00	A.
7.72	18.00	18.52	4.50	4.67	8.00	6.64	9.75	52.70	As declared on sack.
6.76	20.00	20.36	4.00	4.27	8.00	6.68	11.90	50.03	" "
8.36	16.50	16.32	4.50	4.49	7.00	6.15	9.40	55.28	" "
7.39	16.50	16.94	4.50	4.31	7.00	6.06	10.25	55.05	" "
7.72	14.00	14.13	4.00	4.11	9.00	9.23	7.20	57.61	" "
7.90	16.00	15.36	4.50	4.91	5.00	5.11	3.70	63.02	" "
8.32	16.00	16.67	4.50	4.36	6.00	5.47	8.25	56.93	" "
10.67	9.00	9.83	2.00	2.92	5.00	3.09	1.70	71.79	" "
11.94	12.00	12.72	3.00	2.45	3.00	3.27	2.25	67.37	" "
8.20	24.00	26.14	4.00	3.00	11.00	8.49	8.98	45.19	" "
11.04	16.00	17.98	3.00	3.70	12.00	12.68	8.29	46.31	" "
5.32	20.00	21.06	3.00	4.47	8.00	7.89	7.60	53.66	" "
5.87	18.00	19.92	3.00	4.43	8.00	7.66	7.35	54.77	" "
8.99	15.00	15.45	3.50	3.65	10.00	10.39	6.70	54.82	" "
5.92	18.00	18.52	3.00	4.84	7.50	5.79	5.95	58.98	" "
5.41	8.00	8.07	3.00	5.58	12.00	12.99	4.20	63.75	" "
11.28	9.00	10.44	2.50	4.27	5.00	2.57	2.35	69.09	" "
8.64	20.00	21.20	4.00	4.36	8.00	6.47	10.72	48.61	" "
11.90	16.00	17.34	4.00	4.26	7.00	5.47	8.38	52.65	" "
11.86	10.00	10.85	3.00	3.32	7.00	5.87	3.15	64.95	" "
12.03	16.00	16.85	3.50	4.34	6.50	6.05	7.82	52.91	" "
10.85	17.00	17.58	4.00	4.24	7.00	5.97	7.65	53.71	" "
9.25	16.00	18.38	3.00	3.37	11.00	8.32	7.49	53.19	" "
11.30	9.00	10.25	2.00	3.73	9.00	8.11	4.28	62.33	" "
7.65	18.00	21.94	4.00	4.09	6.00	6.67	8.60	51.05	" "
7.73	18.00	18.06	4.00	4.59	6.00	6.44	9.10	54.08	B.

A—Ingredients on sack differ from license.
B—Also detected Charcoal.

191643

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Roanoke City Mills, Inc., Roanoke, Va.	
‡Big Boss Pure Wheat Bran	Maugansville
Robinson Brothers, Cardiff, Md.	
Robinson's 32% Dairy Ration	Cardiff
*Robinson's 24% Dairy Ration	Cardiff
*Robinson's 20% Dairy Ration	Cardiff
Robinson's Quality 20% Laying Mash	Cardiff
Rodney Milling Co., Kansas City, Mo.	
‡Jersey Wheat Gray Shorts and Ground Wheat Screenings N. Ex. M. R.	Medford
‡Wheat Flour Middlings and Ground Wheat Screenings N. Ex. M. R.	Medford
W. D. Roe & Son, Sudlersville, Md.	
Roe's Milkmore 24%	Sudlersville
‡Roe's Growmore Mash, with BM.	Sudlersville
Roe's Starting and Growing Mash	Sudlersville
C. E. Routzahn, Breathedsville, Md.	
Dairy Feed	Breathedsville
Laying Mash	Breathedsville
Hog Feed	Breathedsville
Pure Wheat Bran	Breathedsville
*Pure Wheat Middlings	Breathedsville
Starter and Grower	Breathedsville
Rowlandville Flour Mills, Rowlandville, Md.	
Corn and Re-Ground Oats Feed	Rowlandville
Russell-Miller Milling Co., Minneapolis, Minn.	
Alta Hard Wheat Middlings	Westminster
Hard Wheat Occident Standard Middlings	Detour
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash	St. Michaels
Pure Wheat Bran	St. Michaels
Pure Wheat Middlings	St. Michaels
Quillin's Scratch Feed	St. Michaels
Sanders Mills, Inc., Toledo, Ohio	
Alfalfa Leaf Meal Suncured	Baltimore
*Dehydrated Alfalfa Meal, Carotene Brand	Baltimore
Dehydrated Alfalfa Meal, Carotene Brand	Hagerstown
Alfalfa Meal	Baltimore
Dehydrated Alfalfa Meal, Carotene Brand	Hagerstown

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.94	14.00	14.04	4.00	3.89	9.50	9.51	6.10	57.52	As declared on sack.
9.19	32.00	32.35	5.00	4.54	9.50	9.56	8.02	36.34	" "
8.61	24.00	24.32	4.75	4.16	10.50	8.92	8.18	45.81	" "
9.82	20.00	20.88	4.50	3.77	10.00	11.35	8.02	46.16	" "
10.19	20.00	18.62	4.00	4.51	7.50	7.68	8.34	50.66	" "
7.78	17.00	18.25	3.50	4.15	6.00	6.68	6.15	56.99	" "
9.19	16.00	17.81	3.50	4.14	6.00	6.11	3.85	58.90	" "
9.00	24.00	24.62	4.25	4.26	12.25	11.57	9.75	40.80	" "
10.60	17.00	17.10	4.50	4.68	7.00	6.41	13.15	48.06	" "
8.69	17.50	17.55	4.00	3.89	5.25	4.21	8.40	57.26	" "
7.47	16.00	15.97	4.00	4.19	6.00	7.56	5.40	59.41	A.
7.96	18.00	17.29	4.00	3.76	7.00	7.60	11.80	51.59	As declared on sack.
8.07	17.00	16.23	4.00	3.81	5.00	4.36	8.75	58.78	B.
9.69	15.00	14.04	4.00	4.33	8.00	9.91	6.20	55.83	As declared on sack.
8.49	15.00	13.51	3.00	3.46	3.00	4.02	3.10	67.42	" "
7.25	15.00	15.45	4.00	3.92	6.00	6.59	9.85	56.94	" "
6.93	9.00	9.30	3.00	2.93	11.00	11.43	3.25	66.16	" "
7.31	15.00	18.87	4.50	4.39	8.50	6.84	5.20	57.39	" "
11.02	15.00	18.95	4.00	4.94	9.50	9.44	5.65	50.00	" "
8.69	20.00	20.80	5.00	4.61	7.00	5.76	10.60	49.54	" "
9.65	14.00	13.86	4.00	3.92	11.00	11.79	6.95	53.83	" "
9.66	14.00	15.45	4.00	4.48	6.00	5.88	3.95	60.58	" "
9.99	9.00	10.62	3.00	2.54	4.00	3.89	1.80	71.16	" "
9.18	20.00	19.39	1.50	1.79	18.00	19.80	12.00	37.84	" "
7.12	17.00	15.53	1.50	1.44	25.00	27.13	12.30	36.48	" "
6.49	17.00	16.41	1.50	1.98	25.00	28.21	8.66	38.25	" "
7.92	13.00	12.99	1.50	1.50	33.00	33.05	9.00	35.54	" "
9.22	13.00	12.81	1.50	1.41	33.00	33.45	7.54	35.57	" "

A—Also detected Corn and Cob Meal.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Wm. G. Scarlett & Co., Baltimore, Md.	
Oriole Brand Special Pigeon Feed	Baltimore
Oriole Brand AAA. Pigeon Feed	Baltimore
Oriole Brand AA. Pigeon Feed	Baltimore
*Oriole Brand Four Grain Racing Pigeon Feed	Baltimore
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Meat and Bone Scrap	Berlin
Esskay Quality Meat and Bone Scrap	Hampstead
Esskay Quality Meat and Bone Scrap	Berlin
Esskay Quality Soluble Blood	Frederick
Schoeneck Farms, Inc., Nazareth, Pa.	
‡Keystone Brand Dehydrated Alfalfa Meal	Berlin
Security Food Co., Minneapolis, Minn.	
‡*Security Food Compound	Gaithersburg
Charles H. Seward, Raspeburg, Md.	
Golden Glow Laying Mash	Raspeburg
Golden Glow Growing Mash	Raspeburg
*Golden Glow Starting Mash	Raspeburg
Sewards Superior Scratch Grains	Raspeburg
The Sharples Specialty Co., Philadelphia, Pa.	
Hy-Pro Feed	Hagerstown
Shellabarger Grain Products Co., Decatur, Ill.	
Shellabarger's Cooked Soybean Oil Meal	Westminster
The Shellabarger Mill & Elevator Co., Salina, Kan.	
Pure Wheat Bran	Cumberland
Pure Wheat Grey Shorts	Cumberland
Sherwin Williams Co., Cleveland, Ohio.	
Sherwin Williams Pure Old Process 34% Linseed Meal	Hagerstown
Howard R. Shockley, Goldsboro, Md.	
*Goldsboro Home Mixed Mash	Goldsboro
M. L. Shoemaker & Co., Inc., Philadelphia, Pa.	
Shoemaker's "Swift-Sure" Ground Beef Scrap for Poultry	Berlin
J. F. Shultz, Monkton, Md.	
*Pure Buckwheat Middlings	Monkton
*Pure Corn Chop	Monkton
Sinton Brothers & Co., Baltimore, Md.	
*Guilford Laying Mash	Baltimore
Guilford Scratch Feed	Baltimore

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
9.87	16.00	15.36	3.00	4.59	4.00	5.62	2.35	62.21	A.	
9.19	16.00	16.85	3.00	5.01	4.00	6.38	2.65	59.92	As declared on sack.	
10.36	13.00	13.69	3.50	4.45	4.00	4.09	2.40	65.01	A.	
10.64	15.00	17.37	3.00	2.35	5.00	3.78	2.50	63.36	As declared on sack.	
6.08	55.00	54.49	6.00	8.41	5.00	1.53	29.25	.24	"	"
4.79	50.00	49.41	6.00	7.63	5.00	1.82	36.00	.35	"	"
5.30	45.00	45.02	6.00	11.08	5.00	1.27	36.20	1.13	"	"
2.99	83.00	91.44	.50	.53	5.00	.53	3.80	.71	"	"
8.14	17.00	17.46	2.00	1.85	25.00	28.27	9.20	35.08	"	"
9.48	9.80	17.55	4.50	3.32	4.00	1.35	5.15	63.15	"	" B.
8.12	20.00	20.88	5.00	4.61	7.00	6.05	10.65	49.69	"	"
9.68	16.00	19.04	5.00	4.81	7.00	6.36	9.50	50.61	"	"
7.59	15.00	19.31	5.00	4.25	5.00	5.20	6.50	57.15	"	"
10.35	10.00	9.30	2.50	3.72	5.00	3.05	1.35	72.23	"	"
4.54	20.00	24.31	5.00	4.99	16.00	13.65	7.90	44.61	"	"
8.01	41.00	43.88	4.00	5.32	7.50	5.98	6.00	30.81	"	"
9.46	14.50	17.11	3.50	4.52	11.00	10.87	7.35	50.69	"	"
10.06	17.00	17.72	3.50	3.94	5.50	5.06	4.20	59.02	"	"
7.68	34.00	35.98	4.50	5.88	9.00	8.42	6.05	35.99	"	"
7.63	19.00	18.95	5.00	3.76	8.00	8.72	12.20	48.74	"	"
6.02	55.00	55.29	6.00	9.16	3.00	2.23	28.55	.....	"	"
8.63	28.00	24.75	6.00	6.16	7.00	6.61	4.50	49.35	"	"
13.43	9.00	8.16	4.00	3.45	2.00	2.92	1.40	70.64	"	"
8.54	20.00	20.36	5.00	4.43	7.00	8.06	11.40	47.21	"	"
10.37	9.00	9.92	2.50	2.73	4.00	2.92	1.62	72.44	"	"

A—Ingredients on sack differ from license.
B—Fibre guarantee differs from license.
C—Acid Insoluble Ash 0.44%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
D. P. Smelser & Son, New Windsor, Md.	
Smelser Bran	New Windsor
Smelser Middlings	New Windsor
H. Ray Smith, Doubs, Md.	
Lo-Cost Laying Mash	Doubs
Lo-Cost Growing Mash	Doubs
Pure Wheat Bran	Doubs
Pure Wheat Middlings	Doubs
Lo-Cost Chick Starter	Doubs
Smith-Douglas Co., Inc., Norfolk, Va.	
Barnyard Delight	Elkton
Smithville Flour & Feed Mill, Federalsburg, Md.	
Lydens Laying Mash	Smithville
Lydens Special Pig and Hog Feed containing Dr. Hess Hog Special	Smithville
Pure Wheat Bran	Smithville
Pure Wheat Middlings	Smithville
Southern States Cooperative Mills, Inc., Baltimore, Md.	
32% Supplemental Dairy Feed	Taneytown
32% Supplemental Dairy Feed	Gaithersburg
24% Dairy	Westminster
Milk Maker	Gaithersburg
Milk Maker	Hagerstown
Exchange Dairy	Gaithersburg
20% Dairy	Hampstead
16% Dairy	Mt. Airy
Special Laying and Breeding Mash	Hampstead
Special Laying and Breeding Mash	Hampstead
Super Laying Mash	Bel Air
Super Laying and Breeding Mash	Westminster
Market Laying Mash	Westminster
Laying Mash, with Alfalfa Meal	Salisbury
Growing Mash	Hampstead
Fitting Ration	Bel Air
Supplemental Hog Feed	Hagerstown
Hog Feed	Taneytown
Hog Feed	Salisbury
Calf Starter	Bel Air
Wheat Flour Middlings, with Ground Screenings N. Ex. M. R.	St. Leonards
Starting and Growing Mash	Hagerstown
Chick and Broiler Mash	Gaithersburg
Turkey Starting Mash	Parkton
The Southwestern Milling Div. of Standard Milling Co., Kansas City, Mo.	
Red Turkey Pure Wheat Bran	Rising Sun
Red Turkey Pure Wheat Bran	Keymar

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
6.79	15.41	14.92	4.30	4.08	9.08	10.71	6.00	57.50	As declared on sack.	
8.82	15.40	14.92	3.45	4.09	3.78	3.53	2.75	65.89	"	"
8.39	16.50	16.41	4.50	4.28	7.00	6.67	6.90	57.35	"	"
6.44	16.50	16.58	4.00	4.86	7.00	6.49	8.60	57.03	"	"
7.74	13.00	13.86	3.00	3.75	10.00	9.39	6.05	59.21	"	"
8.59	13.00	13.51	3.00	3.98	5.00	3.82	2.85	67.25	"	"
11.00	15.00	15.45	5.00	5.02	5.50	5.25	8.55	54.73	"	"
6.14	55.00	61.16	6.00	6.02	2.00	1.24	18.65	6.79	"	"
8.65	19.00	18.60	4.00	4.82	6.50	5.99	8.00	53.94	"	"
8.51	15.00	15.45	3.50	4.07	6.50	4.59	5.00	62.38	"	"
7.89	12.00	14.48	3.00	3.84	9.00	8.90	5.12	59.77	"	"
9.78	12.00	13.86	3.00	3.28	6.00	3.00	2.40	67.68	"	"
10.09	32.00	32.07	4.00	6.20	10.00	9.64	8.68	33.32	"	"
8.01	32.00	34.28	4.00	5.09	10.00	8.28	9.09	35.25	"	"
11.74	24.00	25.38	2.50	4.69	12.00	9.42	8.12	40.35	"	"
8.66	24.00	26.63	4.00	4.54	10.00	7.97	7.96	44.24	"	"
9.16	24.00	23.93	4.00	4.71	10.00	8.50	7.42	46.28	"	"
10.97	20.00	21.90	4.00	3.96	10.00	8.93	8.19	46.05	"	"
8.09	20.00	21.46	2.50	3.61	12.00	12.48	7.76	46.60	"	"
8.60	16.00	17.51	2.50	2.78	12.00	12.15	8.80	50.16	"	"
7.74	19.50	19.83	4.00	4.91	7.00	6.19	9.80	51.53	"	"
7.62	19.50	19.83	4.00	4.55	7.00	5.91	8.10	53.99	"	"
7.71	19.50	19.66	4.00	4.78	7.00	5.29	8.70	53.86	"	"
7.82	19.50	20.27	4.00	4.46	7.00	6.35	9.40	51.70	"	"
7.38	20.00	21.15	4.00	4.39	7.00	5.58	11.15	50.35	"	"
9.65	20.00	20.53	4.00	4.53	7.00	6.66	10.41	48.22	"	"
8.67	17.50	19.74	4.00	4.52	6.50	6.45	7.95	52.67	"	"
9.11	13.00	15.72	3.00	3.73	8.50	7.93	7.26	56.25	"	"
10.50	40.00	41.89	5.50	5.69	6.50	6.32	12.59	23.01	"	"
8.01	14.00	15.38	3.50	4.29	6.00	5.67	6.40	60.25	"	"
10.77	14.00	14.83	3.50	3.62	6.00	6.06	6.70	58.02	"	"
8.91	18.00	18.69	3.00	5.04	4.00	3.79	6.85	56.72	"	"
11.27	15.00	17.90	4.00	4.04	6.00	6.68	4.70	55.41	"	"
7.99	17.50	19.31	4.00	4.62	6.50	6.15	8.35	53.58	"	"
7.27	17.50	18.69	4.00	4.70	6.50	6.16	9.00	54.18	"	"
8.34	24.00	24.75	4.00	4.62	7.00	5.79	9.60	46.90	"	"
7.59	15.00	16.32	3.50	4.34	10.00	10.09	6.95	54.71	"	"
10.55	15.00	16.15	3.50	4.18	10.00	11.18	6.95	50.99	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Springfield Roller Mills, Sykesville, Md.	
Hering's Dairy Feed 24%	Sykesville
*Hering's Growing Mash	Sykesville
Hering's Pig Meal	Sykesville
*Pure Wheat Bran	Sykesville
Pure Wheat Middlings	Sykesville
Hering's Chick Starter	Sykesville
Hering's Scratch Feed	Sykesville
John T. Stanley Co., Inc., New York, N. Y.	
Stanley's 45% Meat and Bone Scrap	Hagerstown
‡Stanley's 45% Meat and Bone Scrap	Hagerstown
W. E. Stanton, Grantsville, Md.	
Stanton's Egg Mash	Grantsville
Corn Chop	Grantsville
Stanton's Scratch Grains	Grantsville
E. Steen & Brother, Baltimore, Md.	
†‡Lady Maryland Dairy Feed	Medford
‡Milk Producer Dairy Feed	Medford
Little Boy Blue Dairy Feed	Baltimore
Spring Garden Egg Mash	Medford
‡Spring Garden Egg Mash	Baltimore
Golden Goose Laying Mash with BM	Baltimore
Golden Goose Corn Meal	Baltimore
‡Golden Goose Fancy Chick Starter, with BM. and Cod Liver Oil	Baltimore
Golden Goose Scratch Feed	Baltimore
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
*Su-Pur Sweet 32% Mixing Ration	Rising Sun
Su-Pur 32% Mixing Ration	Reid
Stickell's Sweet 24% Milk Maker	Cockeysville
Dairy Queen Sweet 20% Milk Maker	Manchester
Snap Sweet 20% Dairy Feed	Rising Sun
Snap Sweet 20% Dairy Feed	Reid
Zip Sweet 16% Dairy Feed	Cockeysville
Zip Sweet 16% Dairy Feed	Reid
Blue Ridge Egg Mash	Salisbury
Su-Pur Growing Mash, with Cod Liver Oil	Hagerstown
Su-Pur Coccidiosis Flushing Mash	Salisbury
Su-Pur All Mash Starter	Manchester
‡Victor Horse and Mule Feed	Big Spring
‡Ote-Molassie	Big Spring
Su-Pur 36% Pig and Hog Supplement	Reid
Blue Ridge Pig and Hog Ration	White Hall
Blue Ridge Pig and Hog Ration	Salisbury
Blue Ridge Broiler Mash	Salisbury

* Deficient in protein or fat.
† Deficient in both protein or fat.
‡ Sampled before registration.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
10.18	24.00	25.74	4.00	4.17	8.50	8.35	9.23	42.33	As declared on sack.
9.95	18.00	15.89	4.50	4.23	6.00	8.66	9.19	52.08	" "
11.01	18.00	17.70	3.50	3.77	5.00	5.39	6.70	55.43	" "
6.60	14.00	12.64	3.00	3.35	9.00	11.43	6.00	59.98	" "
7.48	12.00	13.42	3.00	4.18	4.00	4.53	3.62	66.77	" "
9.29	17.00	16.49	4.50	4.98	5.50	8.12	8.84	52.28	" "
8.56	9.00	9.21	2.50	3.15	5.00	3.86	1.54	73.68	" "
5.46	45.00	46.60	10.00	10.92	3.00	2.63	28.80	5.59	" "
5.64	45.00	47.56	10.00	12.77	3.00	3.14	27.30	3.59	" "
7.30	20.00	19.04	4.00	5.53	8.00	7.66	10.35	50.12	" "
11.95	9.00	9.13	4.00	3.74	3.00	3.25	1.60	70.33	" "
11.14	10.00	9.48	2.50	2.42	5.00	2.50	1.70	72.76	" "
11.22	24.00	21.86	4.00	3.24	9.00	7.87	7.66	48.15	A.
11.70	20.00	21.35	3.50	3.48	12.00	7.33	8.08	48.06	B.
10.31	16.00	17.76	3.50	3.16	13.00	7.99	8.24	52.54	C.
6.94	18.00	19.04	4.00	4.59	10.00	6.24	10.15	53.04	D.
9.79	18.00	17.46	4.00	4.24	10.00	5.97	7.04	55.50	D.
8.01	20.00	20.71	4.00	5.51	9.00	5.98	9.98	49.81	A.
10.69	8.00	8.07	3.00	3.14	5.00	3.09	2.06	72.96	As declared on sack.
7.76	14.00	15.53	4.00	4.37	6.00	5.14	7.50	59.70	F.
10.48	9.50	8.78	2.50	2.53	5.00	2.29	1.37	74.55	G.
9.18	32.00	30.53	4.50	4.51	10.00	8.68	7.52	39.58	As declared on sack.
8.41	32.00	31.52	4.50	4.35	10.00	7.95	8.05	39.72	" "
9.91	24.00	25.95	4.00	4.79	10.00	9.69	8.64	41.02	" "
10.65	20.00	23.56	3.50	3.37	10.00	10.15	8.81	43.46	" "
9.45	20.00	21.45	3.00	3.42	12.00	10.42	9.30	45.96	" "
10.09	20.00	21.30	3.00	3.50	12.00	9.87	7.40	47.84	" "
11.17	16.00	15.64	3.00	3.22	12.00	12.92	8.58	48.47	" "
11.70	16.00	16.07	3.00	3.28	12.00	10.78	7.59	50.58	C.
8.91	20.00	21.15	5.00	5.02	6.00	6.05	8.94	49.93	As declared on sack.
7.30	17.00	18.60	4.00	4.98	6.00	6.72	9.70	52.70	" "
10.48	14.00	16.83	3.00	2.99	5.00	4.18	13.03	52.49	" "
7.96	16.50	17.81	4.00	4.51	5.00	5.18	8.20	56.34	" "
10.66	6.00	9.03	2.00	2.22	12.00	7.90	4.29	65.90	" "
8.83	3.00	5.26	1.00	1.16	25.00	27.50	7.21	50.04	" "
10.68	36.00	36.45	3.50	4.76	10.00	8.27	11.46	28.38	" "
9.65	17.00	18.56	3.00	4.20	6.00	6.62	8.70	52.27	" "
10.16	17.00	19.90	3.00	4.24	6.00	5.98	10.39	49.33	" "
9.39	18.00	18.87	4.00	4.72	5.50	5.65	7.90	53.47	" "

A—Unable to detect Linseed Oil Meal.
B—Ingredients on sack differ from license—unable to detect Linseed Oil Meal.
C—Ingredients on sack differ from license.
D—Also detected Corn Gluten.
F—Unable to detect Linseed Oil Meal—also detected Soybean Oil Meal.
G—Unable to detect Sunflower Seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
D. A. Stickell & Sons., Inc., Hagerstown, Md. (Continued)	
Su-Pur Broiler Mash	Salisbury
Victor Scratch Grains	Cockeysville
Su-Pur All Mash Turkey Starter	White Hall
The Chas. M. Struven Co., Baltimore, Md.	
Struven's Fish Meal	New Windsor
Struven's Fish Meal	Princess Anne
Sunset Feed & Grain Co., Inc., Buffalo, N. Y.	
Sunset Brand Feed	Hagerstown
Swift & Co. (Soy Bean Mill), Champaign, Ill.	
Swift's Soy Bean Oil Meal	Hagerstown
Swift & Co., Chicago, Ill.	
Swift's Meat and Bone Scraps	Princess Anne
Swift's Digester Tankage	Frederick
Swift & Co. Oil Mills, Atlanta, Ga.	
41% Cotton Bloom Cottonseed Meal	Frederick
41% Cotton Bloom Cottonseed Meal	Sudlersville
Taneytown Grain & Supply Co., Taneytown, Md.	
Taney Laying Mash	Taneytown
Taney Pig and Hog Feed	Taneytown
Thomas & Co., Gaithersburg, Md.	
Excelsior Dairy Feed	Gaithersburg
Economy Dairy Feed	Gaithersburg
"Makan-Eg" Egg Mash	Gaithersburg
"Solvita" for Chicks	Gaithersburg
Thomas Supply Co., Adamstown, Md.	
Thomas 32% Dairy Feed	Adamstown
*Thomas 16% Milk Maker	Adamstown
Thurmont Milling & Supply Assoc. Cooperative, Inc., Thurmont, Md.	
32% Thurmont Supplement Dairy	Thurmont
Thurmont 16% Dairy Feed	Thurmont
Thurmont Laying Mash	Thurmont
Thurmont Hog Meal	Thurmont
Pure Wheat Bran	Thurmont
*Wheat Middlings, with M. R. S.	Thurmont
Toledo Soybean Products Co., Toledo, Ohio.	
‡Super Duo Soybean Oil Meal	Frederick
Tonoloway Mills, Hancock, Md.	
Pure Wheat Bran	Hancock
Pure Wheat Middlings	Hancock

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.81	18.00	18.16	3.50	3.93	6.00	5.71	7.20	55.19	As declared on sack.
8.82	10.00	10.00	2.50	2.01	5.00	2.94	1.30	74.93	" "
8.53	22.00	22.03	4.00	6.09	6.00	6.57	9.45	47.33	" "
5.55	55.00	56.60	4.00	7.89	2.00	.69	22.35	6.92	" "
5.27	55.00	54.94	4.00	10.74	2.00	.94	21.78	6.33	" "
.....	25.00	26.68	.....	.....	.....	.....	24.15	.....	" "
7.89	41.00	43.26	4.50	5.58	7.00	5.53	6.60	31.14	" "
6.51	50.00	49.98	6.00	9.05	3.00	2.42	30.50	1.54	" "
4.87	60.00	59.94	5.00	9.74	3.00	1.38	22.02	2.05	" "
6.39	41.00	41.33	5.00	6.00	10.00	10.41	6.87	29.00	" "
6.27	41.00	42.65	5.00	6.24	10.00	10.28	6.75	27.81	" "
6.54	18.00	18.25	4.50	4.37	6.75	7.18	10.60	53.06	" "
10.44	18.00	20.21	4.25	4.09	6.75	7.19	6.38	51.69	" "
8.19	24.00	24.57	5.00	4.61	9.00	8.99	7.40	46.24	A.
8.69	20.00	20.88	4.50	4.69	9.00	8.06	7.55	50.13	As declared on sack.
6.20	20.00	20.01	5.00	5.29	9.00	6.66	9.35	52.49	" "
7.07	18.00	17.11	4.50	5.62	5.00	4.96	10.45	54.79	A.
9.47	32.00	32.84	5.00	4.79	10.00	8.49	8.55	35.86	As declared on sack.
8.41	16.00	18.36	3.60	2.56	12.50	14.92	10.09	45.66	" "
8.26	32.00	34.36	3.00	4.82	7.00	5.96	6.98	39.62	" "
8.96	16.00	16.55	3.00	3.39	14.00	12.32	7.37	51.41	" "
9.14	20.00	19.19	4.00	4.03	9.00	6.21	7.32	54.11	" "
7.75	16.50	17.72	4.50	4.33	5.50	6.06	6.35	57.79	" "
7.86	14.00	14.04	4.00	4.18	13.00	10.85	6.25	56.82	" "
9.37	15.00	14.57	4.50	3.45	5.00	4.43	2.90	65.28	" "
8.85	41.00	44.40	4.50	4.59	7.00	5.90	6.50	29.76	" "
10.07	14.00	14.00	3.00	3.73	10.00	9.38	6.50	56.32	" "
11.45	14.00	13.60	2.50	3.16	9.00	3.13	3.05	65.61	" "

A—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
J. T. Towson & Son, Smithsburg, Md.	
Hog Feed	Smithsburg
The Tremaine Alfalfa Ranch & Milling Co., Inc., Mesa, Ariz.	
*Arizona Brand Alfalfa Leaf Meal	Baltimore
Tremaine Brand Alfalfa Meal	Baltimore
Truslow Poultry Farm, Inc., Chestertown, Md.	
Truslow Approved Poultry Mash	Chestertown
Unique Milling Co., Friendsville, Md.	
Pure Wheat Bran	Friendsville
†Pure Wheat Middlings	Friendsville
Union Rendering Co., Inc., Baltimore, Md.	
‡Nocako Molasses Meal	Germantown
Union Sales Corp., Distributor for Union Starch & Refining Co., Columbus, Ind.	
Union Corn Gluten Feed	Westminster
Union Supply & Milling Corp., Burbank, Calif.	
‡Sunshine Alfalfa Leaf Meal	Pocomoke City
United Mills Co., Inc., Kansas City, Kan.	
UMC Wheat Bran	Pocomoke City
The Van Iderstine Co., Long Island City, N. Y.	
Vico Quality Meat and Bone Scraps for Poultry	Taneytown
Vico Quality Meat and Bone Scraps for Poultry	Westminster
Vienna Flour & Feed Mill, Vienna, Md.	
Wayne Local Mix Laying Mash	Vienna
Wayne Local Mix Growing Mash	Vienna
Pure Wheat Bran	Vienna
*Pure Wheat Middlings	Vienna
Virginia Maryland Dairy Feeders Co., Inc., Baltimore, Md.	
Dried Brewers Grains	Baltimore
*Dried Brewers Grains	Rising Sun
Vitality Mills, Inc., Chicago, Ill.	
*Domino 32% Mixing Dairy Feed	Harmony Grove
Cream-O-Lene Dairy Feed	Harmony Grove
†Domino Butterine Dairy Feed	Harmony Grove
Export Laying Mash	Harmony Grove
Domino Laying Mash	Harmony Grove
*Domino Egg Pel-ets	Harmony Grove
‡Domino Growing Pel-ets	Ellicott City
Domino All Mash Ration	Harmony Grove

* Deficient in protein or fat.
† Deficient in both protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.64	16.50	16.76	4.00	4.21	6.50	6.16	3.68	59.55	As declared on sack.
7.47	20.00	20.71	2.50	1.96	18.00	17.86	12.80	39.20	" "
7.45	16.00	15.45	2.00	1.94	25.00	25.30	10.20	39.66	" "
10.42	18.00	18.08	3.75	3.78	8.00	6.96	6.25	54.51	As declared on sack.
9.55	14.75	15.09	3.50	3.69	9.50	8.10	4.90	58.67	" "
12.13	13.50	11.85	3.10	2.04	4.00	1.45	2.65	69.88	" "
7.18	10.00	11.85	2.00	2.40	8.00	9.19	6.25	63.13	" "
8.56	25.00	25.01	1.00	3.04	8.00	7.91	5.35	50.13	" "
7.49	20.00	21.41	3.00	2.87	18.00	18.43	14.15	35.65	" "
11.19	14.00	14.57	3.00	3.46	11.00	11.80	6.50	52.48	" "
5.85	50.00	50.72	5.00	5.92	3.00	2.55	34.05	.91	" "
5.69	50.00	50.99	5.00	5.75	3.00	2.51	33.30	1.76	" "
8.69	18.00	18.78	3.50	4.03	7.00	7.59	8.15	52.76	" "
8.23	16.00	17.02	4.00	4.10	6.00	7.44	6.35	56.86	" "
8.29	14.00	13.95	4.00	3.52	7.00	9.53	5.60	59.11	" "
10.37	13.00	12.11	3.00	1.86	3.00	1.58	1.65	72.43	" "
5.80	28.00	28.35	6.00	6.46	15.00	14.75	4.00	40.64	" "
9.65	28.00	24.00	6.00	7.02	15.00	15.84	3.30	40.19	" "
8.01	32.00	30.85	4.00	4.46	9.00	9.45	10.60	36.63	" "
9.61	24.00	23.27	4.00	4.09	12.00	10.63	10.83	41.57	" "
10.26	17.00	15.92	4.00	2.39	12.00	11.95	12.33	47.15	" "
6.70	17.00	17.20	3.50	3.97	8.00	7.72	11.85	52.56	" "
6.78	20.00	19.39	4.00	4.12	8.00	6.76	11.30	51.65	" "
8.41	20.00	18.69	4.50	4.41	7.50	7.52	10.70	50.27	" "
9.64	15.00	16.15	4.50	4.09	5.50	6.45	9.70	53.97	" "
7.57	16.00	17.11	4.00	4.65	6.00	6.14	9.20	55.33	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Vitality Mills, Inc., Chicago, Ill. (Continued)	
‡Vim-O-Lene Horse Feed	Ellicott City
*Domino Chick Feed	Harmony Grove
Domino Chick Pel-ets	Harmony Grove
‡Domino Starting Turk-ets	Harmony Grove
Domino All-in-One Rab-ets	Baltimore
Walsh & Co., Stemmers Run, Md.	
Ken-wal Brand Laying Mash	Stemmers Run
†Ken-wal Brand Growing Mash	Stemmers Run
Ken-wal Brand Chick Starter	Stemmers Run
Ken-wal Brand Baby Chick Feed	Stemmers Run
Ken-wal Brand Chick Developer	Stemmers Run
Ken-wal Brand Scratch Feed	Stemmers Run
Joseph E. Walter, Parkton, Md.	
Pure Wheat Bran	Parkton
*Pure Wheat Middlings	Parkton
*Pure Buckwheat Middlings	Parkton
Pure Corn Meal	Parkton
Ward Dry Milk Co., Chicago, Ill.	
Ward's Pure Dried Skim Milk	Pocomoke City
Warner Brothers, Lineboro, Md.	
Line Egg Mash	Lineboro
C. B. Watkins & Co., Baltimore, Md.	
Foxhall Laying Mash	Baltimore
Foxhall Hog Feed	Baltimore
Peerless Scratch Grains	Baltimore
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Perfection Scratch Feed	Westover
The Wheatena Corp., Highspire Flour Mills Div., Highspire, Pa.	
Wheat Gray Shorts M. R. S.	Gaithersburg
Wilbur-Ellis Co., San Francisco, Calif.	
‡Lighthouse Brand 68% Protein Fish Meal	Princess Anne
M. Floyd Wiley, Keymar, Md.	
Bran	Keymar
Middlings	Keymar
Wilkins Rogers Milling Co., Inc., Washington, D. C.	
Big Five Dairy Feed	Upper Marlboro
Red Raven Egg Mash, with Cod Liver Oil	Annapolis
Washington Egg Mash, with BM	Upper Marlboro
*Maryland University 1928 Contest Egg Mash	Hyattsville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
11.87	9.50	10.30	3.00	4.44	9.00	9.26	5.25	58.88	As declared on sack.
12.14	11.00	9.83	2.00	1.98	3.00	1.31	2.30	72.44	A.
8.13	18.00	18.78	4.00	4.54	5.00	6.00	10.85	51.70	As declared on sack.
8.11	26.00	27.20	4.00	4.89	7.00	5.41	11.85	42.54	" "
8.50	12.00	12.81	3.00	3.23	16.50	15.51	9.04	50.91	" "
7.67	20.00	19.48	4.00	4.19	7.00	6.79	11.45	50.42	" "
7.13	18.00	16.98	7.00	4.46	5.00	6.05	9.80	55.58	B.
8.95	18.00	19.22	4.00	4.66	4.00	5.03	10.65	51.49	As declared on sack.
9.68	10.00	10.09	3.00	4.06	3.00	2.29	2.50	71.38	" "
9.72	10.00	9.39	3.00	2.66	3.00	2.23	1.50	74.50	" "
10.56	10.00	9.65	3.00	2.79	3.00	3.29	1.65	72.06	" "
10.86	13.00	13.95	3.00	3.67	8.00	6.41	4.25	60.86	" "
10.87	13.00	13.08	4.00	2.93	6.00	2.64	2.10	68.38	" "
9.97	20.00	21.76	7.00	5.63	6.00	9.18	3.90	49.56	" "
10.07	8.00	8.51	4.00	3.63	4.00	1.24	1.00	75.55	" "
.....	32.00	32.82	1.00	x1.21	.....	.....	8.35	.....	" "
7.64	18.00	19.57	4.00	4.96	8.00	6.78	8.85	52.20	" "
7.62	20.13	20.88	4.85	5.29	8.25	10.06	9.70	46.45	" "
8.88	15.25	19.31	2.98	3.09	7.33	8.56	9.80	50.36	" "
10.33	10.00	9.56	3.00	2.95	5.00	3.01	1.78	72.37	" "
7.16	20.00	21.24	4.00	5.74	8.00	9.43	10.16	46.27	" "
10.89	9.00	9.48	2.50	2.84	5.00	2.66	1.50	72.63	" "
8.52	11.00	13.34	2.00	3.18	6.50	.4.30	2.70	67.96	" "
6.30	68.00	68.88	5.00	9.29	1.00	.25	15.00	.28	" "
8.38	15.00	14.22	3.00	3.76	9.00	10.31	6.20	57.13	" "
8.03	14.00	14.57	3.00	4.29	5.00	4.57	3.40	65.14	" "
8.11	20.00	20.09	5.00	5.13	12.00	10.35	6.55	49.77	C.
6.99	.18.00	17.72	4.50	5.00	9.00	8.51	7.90	53.88	As declared on sack.
7.85	22.00	23.87	5.00	5.54	8.00	5.64	14.35	42.75	" "
8.84	20.00	19.00	5.00	5.63	7.00	6.16	9.10	51.27	" "

A—Unable to detect Split Peas.
B—Also detected Linseed Oil Meal.
C—Ingredients on sack differ from license.
x—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Wilkins Rogers Milling Co., Inc., Washington, D. C. (Continued)	
Grassy Mead 21% Hog Feed	Upper Marlboro
Washington Pure Wheat Bran	Upper Marlboro
Washington Pure Wheat Middlings	Upper Marlboro
Washington Scratch Feed	Upper Marlboro
Williamsport Milk Products Co., Inc., Williamsport, Pa.	
‡Hurrs Skim Milk Powder	Hampstead
The Williams Brothers Co., Kent, Ohio.	
Pure Ohio Wheat Bran	Westminster
Pure Fancy Winter Wheat Middlings	Hampstead
A. J. Wilson, White Hall, Md.	
Wilson's Open Formula Egg Mash No. 1	White Hall
Oscar Wyatt, Greensboro, Md.	
*Wyatts's Laying Mash	Greensboro
York Roller Mills Co., York, Pa.	
*Wheat Middlings, with Ground Screenings N. Ex. M. R.	Street

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.89	21.00	20.36	6.00	5.19	7.00	9.04	7.70	48.82	As declared on sack.
8.79	14.00	14.22	4.00	4.28	9.00	9.44	6.30	56.97	" "
9.08	15.50	15.09	4.00	4.53	7.00	5.21	4.35	61.74	" "
11.39	10.00	10.09	2.50	3.10	4.00	2.23	1.55	71.64	" "
.....	34.00	35.05	1.00	x .99	.....	.....	8.15	.....	" "
10.61	14.00	15.45	3.00	4.60	12.00	10.45	6.90	51.99	" "
8.92	14.00	15.09	3.50	4.26	9.50	5.57	3.70	62.46	" "
8.59	18.00	18.60	4.00	4.51	7.50	8.35	10.25	49.70	" "
7.92	19.50	19.31	5.00	4.43	5.50	10.16	10.55	47.63	" "
9.95	14.50	14.57	4.00	3.44	5.10	4.97	3.55	63.52	" "

x—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
DOG FEED	
Allied Mills, Inc., Chicago, Ill.	
Wayne Dog Food Krums	Baltimore
Austin Dog Bread & Animal Food Co., Chelsea, Mass.	
Austin's Special Cat Food	Baltimore
Austin's Dog Bread Flakes	Baltimore
Austin's Puppy Biscuit	Baltimore
The Baltimore Feed & Grain Co., Baltimore, Md.	
Steako Dog and Puppy Food	Baltimore
Bannock Food Co., Inc., West Chester, Pa.	
Bannock Body Builder	Baltimore
Bannock Dog Biscuit	Baltimore
Battle Creek Dog Food Co., Battle Creek, Mich.	
Miller's Kibbles	Baltimore
Miller's Meaties	Baltimore
Miller's Ration	Baltimore
The Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon Dog Pellets	Baltimore
Beacon Dog and Puppy Meal	Cockeysville
H. H. Borchers & Sons, Baltimore, Md.	
Mel-Rah Dog Food	Baltimore
Calo Food Products, Inc., Oakland, Calif.	
Calo Cat Food	Baltimore
Calo Dog Food	Baltimore
Chappel Brothers, Inc., Rockford, Ill.	
Ken-L-Ration	Baltimore
Hemo-Ration	Baltimore
Chesapeake Co., Chestertown, Md.	
Chesapeake Dog Food	Chestertown
Consolidated By-Products Co., Philadelphia, Pa.	
Marco Beef Food Product Dog and Cat Food	Baltimore
Cooperative G. L. F. Mills, Inc., Buffalo, N. Y.	
‡Dog Food	Parkton
Crown Dog Food Co., New York, N. Y., Registered by The Frederick City Packing Co., Frederick, Md.	
Crown Brand Dog and Cat Food	Baltimore
Daily Packing Co., Chicago, Ill.	
Daily Dog Food	Baltimore

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.02	25.00	28.17	4.00	4.87	5.00	5.30	9.30	43.34	
4.39	18.00	23.34	1.00	1.74	2.50	1.55	4.40	64.58	
5.00	20.00	21.76	1.00	1.99	2.00	.88	5.55	64.82	
5.57	20.00	21.32	1.00	2.14	2.00	.97	5.60	64.40	
7.14	30.00	31.33	6.00	6.04	6.00	5.25	10.24	40.00	
6.01	24.00	27.99	3.50	4.46	4.50	3.99	12.95	44.60	
6.09	22.00	25.97	3.00	2.53	3.50	3.24	9.20	52.97	
7.33	18.00	19.31	1.00	1.19	2.00	1.15	6.34	64.68	
7.17	15.00	18.25	1.00	2.97	3.50	2.86	8.12	60.63	
5.84	15.00	18.87	1.00	3.36	3.50	2.69	7.28	61.96	
10.39	24.00	26.32	4.00	4.91	5.00	3.04	8.50	46.84	A.
7.17	24.00	26.32	3.00	4.53	5.00	3.31	9.20	49.47	
70.64	10.50	13.90	3.00	3.86	1.00	.96	1.19	9.45	
73.28	8.00	7.59	2.25	2.25	.50	.70	3.08	13.10	
72.07	8.00	9.00	2.25	2.68	.50	.96	2.52	12.77	
66.61	10.00	10.29	2.00	4.85	2.00	.85	6.10	11.30	B.
72.08	10.00	10.20	2.00	3.05	2.00	1.00	3.73	9.94	
8.12	22.00	28.49	5.00	7.16	6.50	3.24	16.80	36.19	
70.76	10.50	9.51	3.00	4.33	1.00	1.10	5.16	9.14	
6.78	24.00	26.85	3.00	4.14	5.00	3.02	9.05	50.16	
70.39	7.25	8.15	.94	.86	1.10	1.06	2.48	17.06	
71.23	12.00	11.75	3.00	2.56	1.50	1.68	3.30	9.48	

A—Fat guarantee and ingredients on label differ from license.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Derwood Mill, Derwood, Md.	
Derwood Dog Food	Derwood
Dietrich & Gambrill, Inc., Frederick, Md.	
D. & G. Dog Food (Broken)	Baltimore
*Mighty Good Dog Food	Baltimore
Doggie Dinner Div. of The Loudon Packing Co., Terre Haute, Ind.	
Doggie Dinner	Baltimore
Doyle Packing Co., Newark, N. J.	
*Felix Cat and Puppy Food	Baltimore
Strongheart	Baltimore
The Foster Canning Co., Inc., Long Island, N. Y.	
Dr. Olding Dog Food	Baltimore
Gaines Food Co., Sherburne, N. Y.	
Gaines Meat and Milk Meal Cooked	Centreville
Gaines Meat and Milk Meal Cooked	Hagerstown
Hales & Hunter Co., Chicago, Ill.	
Lucky Dog Pellets	Baltimore
Lucky Dog Pellets	Cumberland
Lucky Dog Supplement	Cumberland
Kasco Mills, Inc., Waverly, N. Y.	
Kasco Dog Food (Cubed)	Cumberland
The Kennel Food Supply Co., Fairfield, Conn.	
C. F. Meat Biscuits (Broken)	Baltimore
Cod Liver Oil Vegetable and Meat Biscuits	Baltimore
*K. F. S. Canned Dog Food	Baltimore
Plain Biscuits Broken	Baltimore
The C. D. Kenny Co., Baltimore, Md.	
"Spunky" Dog and Cat Food	Baltimore
Lardan Packing Co., Inc., Ozone Park, N. Y.	
Omar Dog Food	Baltimore
Larrowe Milling Co., Div. of General Mills, Inc., Detroit, Mich.	
Larro Dog Pellets	Salisbury
Lauderdale Kennels, Owings Mills, Md.	
Lauderdale Dog and Puppy Food	Owings Mills
Life Products, Inc., Cleveland, Ohio	
‡Ween	Baltimore

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
5.00	25.00	26.15	4.00	6.11	4.00	2.93	14.10	45.71	
8.09	20.00	24.22	2.50	3.05	2.00	1.36	12.56	50.72	
8.12	18.00	19.58	4.00	3.47	3.00	3.64	12.65	52.54	
68.95	10.00	10.83	2.75	2.72	1.00	1.27	4.67	11.56	A.
78.91	7.00	7.14	2.00	.61	1.00	1.25	1.35	10.74	
72.97	7.50	8.84	2.00	1.69	1.00	1.28	2.09	13.13	
68.90	11.00	10.93	3.00	3.40	1.50	.85	1.71	14.21	
7.01	23.00	26.94	3.00	3.89	4.00	3.29	14.05	44.82	
5.66	23.00	26.68	3.00	3.94	4.00	2.83	14.90	45.99	
7.25	24.00	24.13	4.00	5.87	6.00	3.41	5.40	53.94	
7.67	24.00	25.62	4.00	6.52	6.00	2.89	6.80	50.50	
8.00	22.00	25.27	4.00	5.13	6.00	3.00	7.60	51.00	
7.08	22.00	24.39	3.00	4.01	5.00	2.76	6.05	55.71	
7.03	20.00	20.71	2.00	1.66	2.00	1.67	4.24	64.69	
7.13	21.00	22.90	2.00	2.49	3.00	2.21	4.72	60.55	
68.43	13.00	13.77	4.00	2.06	5.50	1.40	4.45	9.89	
6.93	16.00	18.16	1.00	.74	3.00	1.31	5.70	67.16	
69.60	7.00	8.75	2.00	2.05	1.50	1.32	2.11	16.17	
76.10	6.55	7.13	1.50	1.30	.40	1.32	1.05	13.10	
7.01	24.50	27.12	4.50	5.54	4.50	4.35	9.70	46.28	
8.57	24.00	24.22	6.00	6.52	7.00	5.64	11.45	43.60	
.....	9.00	9.04	9.00	x 9.43	.....	.....	.....	.....	

A—Ingredients on label differ from license.
x—Fat as determined by the Roese-Gottlieb Method

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Lord-Mott Co., Baltimore, Md.	
Mydog Food	Baltimore
Maritime Milling Co., Inc., Buffalo, N. Y.	
‡Hunt Club Dog Food	Baltimore
Maryland Grocery Co., Baltimore, Md.	
Snooky	Baltimore
Geo. C. Melody, Greensburg, Pa.	
Dr. Melody's Dog Feed	Oakland
Modern Food Process Co., Philadelphia, Pa.	
Thrivo Dog and Cat Food	Baltimore
John Morrell & Co., Ottumwa, Iowa	
Red Heart Dog Biscuits	Baltimore
Red Heart Dog Food—Diet A	Baltimore
Red Heart Dog Food—Diet B	Baltimore
Red Heart Dog Food—Diet C	Baltimore
National Biscuit Co., New York, N. Y.	
Junior Milk-Bone Brand Dog and Puppy Biscuit	Baltimore
Milk-Bone Brand Tiny-Bits	Baltimore
Milk-Bone Brand Dog Biscuit	Baltimore
Milk-Bone Puppy Biscuit	Baltimore
Pal Dog and Puppy Biscuit Food	Baltimore
National Coast Products Corp., Swedesboro, N. J.	
Lykit	Baltimore
Skipper	Baltimore
Old Trusty Dog Food Co., Inc., Needham Heights, Mass.	
Bovex	Baltimore
Packer Products Co., Philadelphia, Pa.	
*Dart	Baltimore
†400	Baltimore
*‡Set Up Dog Food	Baltimore
Pratt Food Co., Buffalo, N. Y.	
Pratts Kibbies	Frostburg
Proto, Inc., Philadelphia, Pa.	
*Proto Dog Food	Baltimore
*Proto Dog Food	Baltimore
Rex Dog Food Products Co., Glendale, N. Y.	
*Rex	Baltimore
Rich Products Corp., Rockford, Ill.	
*Evr Redy	Baltimore

* Deficient in protein or fat.
† Deficient in both protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
79.00	7.00	6.84	1.00	.81	1.00	.91	1.07	11.37	
5.64	25.00	25.80	3.50	4.82	4.00	3.09	8.50	52.15	
71.89	7.50	7.65	1.25	2.06	1.50	1.21	1.98	15.21	
64.29	7.29	9.79	1.30	2.92	.89	.89	14.67	7.44	
70.63	10.00	11.11	3.00	5.51	3.00	2.04	2.53	8.18	
5.43	25.00	25.71	2.00	3.19	2.00	1.91	9.20	54.56	
68.32	10.50	11.57	2.50	3.75	1.00	.83	2.38	13.15	
71.01	10.50	12.14	2.50	2.83	1.00	.78	2.26	10.98	
69.28	10.50	12.06	2.50	2.83	1.00	.82	2.24	12.77	
5.71	20.00	22.82	1.50	2.39	2.50	1.78	6.30	61.00	
5.41	20.00	22.29	1.50	1.52	2.50	2.15	5.90	62.73	
5.92	20.00	22.55	1.50	1.64	2.50	1.87	6.25	61.77	
6.42	20.00	23.25	1.50	1.50	2.50	1.79	5.90	61.14	
7.08	17.00	18.08	1.00	1.27	2.50	1.86	5.60	66.11	
74.66	7.00	8.21	2.00	2.57	1.70	1.24	2.51	10.81	
76.26	7.00	7.86	2.00	2.00	1.00	1.83	2.34	9.71	
68.16	10.00	10.03	2.00	6.17	1.00	.62	2.55	12.47	
71.83	6.50	7.74	2.50	1.59	1.00	1.57	1.81	15.46	B.
76.60	10.00	7.41	3.00	1.15	1.00	1.50	2.10	11.24	B.
75.55	6.50	7.35	2.50	1.55	1.00	1.16	3.34	11.05	
6.31	22.00	25.97	3.00	4.73	5.00	2.85	7.90	52.24	
8.19	25.00	21.71	5.00	5.83	3.00	2.56	10.50	51.21	
9.90	25.00	23.15	5.00	4.62	3.00	2.97	10.04	49.32	
76.97	7.00	6.96	2.10	.79	.63	1.04	.87	13.37	
68.08	10.00	8.75	1.00	5.13	2.00	.83	5.37	11.84	

B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Bal-Mar Dog Food	Baltimore
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
‡Sturdy Kibbled	Centreville
‡Sturdy Dog Food	Centreville
Swift & Co., Chicago, Ill.	
Pard Dog Food	Baltimore
The Thorobread Co., Cincinnati, Ohio	
Thorobread Dog and Puppy Food	Lonaconing
*Trophy Dog Food	Frostburg
Vimpep Foods, Inc., Cambridge, Md.	
Nice Kitty	Baltimore
Petvim	Baltimore
Smarty	Baltimore
Vitality Mills, Inc., Chicago, Ill.	
‡Vitality Dog Food	Baltimore
Warner Dog Food Co., Inc., Brooklyn, N. Y.	
‡Warner's Complete Ration	Baltimore
Wilson & Co., Inc., Chicago, Ill.	
Ideal Dog Food	Baltimore

MINERAL FEED

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Atlantic Supply Co., Baltimore, Md.	
Atlantic Pro-Tex Mineral Mixture	Linwood
Atlantic Pro-Tex Mineral Mixture	Lineboro
Bradley & Baker, Baltimore, Md.	
Bocalphos	Chewsville
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board Soluble Mineral Iodized	Berlin

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
67.54	11.00	15.32	3.00	6.01	1.00	1.12	3.47	6.54	
7.96	18.80	19.13	1.05	1.05	1.50	1.38	4.30	66.18	
7.09	20.00	23.69	2.50	5.09	5.00	3.54	12.65	47.94	
70.10	10.50	10.94	2.50	5.20	.50	.57	2.00	11.19	
6.68	17.50	17.02	3.25	4.26	3.20	4.08	10.05	57.91	
77.58	7.00	8.58	1.50	.89	1.50	1.39	2.08	9.48	
67.97	7.00	9.64	2.00	4.19	1.00	.73	3.46	14.01	
70.33	7.00	9.21	2.00	2.20	1.00	.86	2.95	14.45	
70.26	7.00	6.77	2.00	2.26	1.00	2.26	2.87	15.58	
6.07	25.00	31.77	3.00	6.22	4.00	3.70	17.40	34.84	
8.50	23.00	25.32	3.00	4.58	2.50	2.53	8.37	50.70	
70.60	10.00	10.47	2.00	4.20	1.00	.60	2.92	11.21	

Calcium Ca		Phosphorus P		Salt	
Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
25.73	33.14	6.55	7.99	10.00	7.26
25.73	32.64	6.55	9.30	10.00	8.52
20.00	19.50	8.00	10.13		
30.00	30.57	7.00	6.29	8.00	8.20

LIME ANALYSES

A detailed report of the results obtained in the inspection and analysis of agricultural liming materials from January 1, 1938 to July 1, 1938, is contained in pages 125 to 137, inclusive. Limes are considered seriously deficient with respect to chemical analysis when they are one per cent deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates CaCO3		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	The Cavetown Planing Mill Co., Cavetown, Md.										
4020	Lump Lime	Cavetown	80.00	**88.50**	2.00	**9.60**	82.00	**98.10**	.....	**1.79**	**.35**
4021	†Ground Lime	Cavetown	80.00	**79.30**	2.00	**10.47**	82.00	**89.77**	.....	**5.45**	**3.72**
	E. N. Daley, Big Pool, Md.										
4077	xLump Lime	Big Pool	84.00	**84.00**	1.87	**1.87**	85.87	**85.87**	.....	**1.72**	**2.88**
	Chas. L. Forsythe, Hagerstown, Md.										
*4022	Lump Lime	Hagerstown	91.00	**85.85**	3.37	**2.33**	94.37	**88.18**	.....	**5.77**	**3.64**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
4035	Famous Frederick County Agricultural Lime-Lump	Lime Kiln	86.00	**83.13**	4.00	**14.24**	90.00	**97.37**	.....	**1.22**	**.67**
4036	†Famous Frederick County Ground Lime	Lime Kiln	75.00	**71.50**	5.00	**14.38**	80.00	**85.88**	.....	**5.54**	**4.91**
	John S. Hyde, Westminster, Md.										
4074	Agriculture Lump	Westminster	85.00	**92.40**	5.00	**3.83**	90.00	**96.23**	.....	**2.23**	**.94**
	Keystone Lime Co., Springs, Pa.										
4061	Lump Lime	.....	70.00	**91.70**	3.00	**1.59**	73.00	**93.29**	.....	**1.61**	**.91**
	LeGore Lime Co., LeGore, Md.										
4040	LeGore's Lump Lime	LeGore	80.00	**95.10**	3.00	**1.42**	83.00	**96.52**	3.00	**1.92**	**.43**
4041	†LeGore's Ground Burnt Lime	LeGore	75.00	**77.55**	5.00	**7.33**	80.00	**84.88**	3.00	**5.68**	**4.36**
	Everett V. Mosher, Middletown, Md.										
4024	Lump Lime	Middletown	85.00	**70.40**	10.00	**26.82**	95.00	**97.22**	.....	**3.91**	**.51**
*4025	xGround Burned Lime	Middletown	85.00	**68.30**	10.00	**7.11**	95.00	**75.41**	.....	**27.68**	**4.61**

	Henry Mosser, Oakland, Md.										
4062	Burnt Lump Lime	Oakland	68.00	**77.50**	.50	**1.74**	68.50	**79.24**		**5.66**	**4.23**
	Edward Savage, Friendsville, Md.										
*4060	†Ground Burned Lime	Friendsville	68.00	**55.90**	2.00	**2.39**	70.00	**58.29**		**2.68**	**11.37**
	Shank & Etzler Lime Co., Frederick, Md.										
4044	Agric. Lump Lime	Frederick	60.00	**77.30**	30.00	**17.28**	90.00	**94.58**		**8.25**	**.19**
4046	†Agric. Ground Burned Lime	Frederick	55.00	**55.95**	25.00	**32.43**	80.00	**88.38**	1.00	**5.99**	**3.76**
	Stanley Schetrom, Clear Spring, Md.										
4027	Lump Lime	Clear Spring	80.00	**84.10**	4.00	**3.20**	84.00	**87.30**		**5.41**	**2.90**
4069	Ground Lime	Clear Spring	75.00	**76.60**	3.00	**3.16**	78.00	**79.76**		**17.57**	**1.80**
	Shinham Lime & Fertilizer Co., Harpers Ferry,	**W. Va.**									
4028	Lump Lime	Dargan	85.00	**84.20**	2.00	**2.28**	87.00	**86.48**		**4.11**	**2.71**
4029	†Ground Burned Lime	Dargan	75.00	**82.00**	2.00	**2.83**	77.00	**84.83**		**8.43**	**2.61**
	Spencer Lime Co., Accident, Md.										
4072	Burned Lump Lime	Accident	75.00	**82.85**	5.00	**1.45**	80.00	**84.30**		**1.93**	**3.97**
	Ross Spickler, Hagerstown, Md.										
4026	Lump Lime	Hagerstown	80.00	**87.10**	2.00	**3.13**	82.00	**90.23**		**1.52**	**2.20**
4070	†Ground Burned Lime	Cearfoss	75.00	**73.85**	2.00	**2.49**	77.00	**76.34**		**7.91**	**6.84**
	Steacy & Wilton Co., Wrightsville, Pa.										
4010	Run of Kiln Agric. Lime	Denton	90.00	**79.30**	2.00	**13.87**	92.00	**93.17**	2.00	**1.61**	**1.12**
4011	†"Sterling" Brand Pulverized Fresh Burned Lime	Denton	90.00	**82.60**	2.00	**12.88**	92.00	**95.48**	2.00	**1.35**	**1.28**
	Stoner & Powell, Woodsboro, Md.										
4048	Old Reliable Fountain Rock Lump Lime	Woodsboro	85.00	**88.70**	2.00	**2.04**	87.00	**90.74**		**.84**	**2.25**
	Thomasville Stone & Lime Co., Thomasville,	**Pa.**									
4085	†Thomasville Pulverized Quicklime	Bel Air	93.00	**91.60**	2.00	**3.78**	95.00	**95.38**		**2.45**	**.54**
	Geo. B. Ways, Marriottsville, Md.										
L–3	Burned Lime	Marriottsville	82.00	**82.90**	4.00	**4.08**	86.00	**86.98**			**2.22**

x Sampled before registration.
* Product deficient in total oxides.
† Mechanical analysis of Ground Burnt Lime, see page 134.

ANALYSES OF AGRICULTURAL HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	American Lime & Stone Co., Bellefonte, Pa.										
4088	†Bell-Mine Hydrate	Elkton	69.30	**72.10**	.70	**1.11**	70.00	**73.21**	.....	.....	**.46**
	J. E. Baker Co., York, Pa.										
4005	†Susquehanna Hydrate	Queen Anne	66.00	**70.65**	6.00	**4.95**	72.00	**75.60**	2.75	.....	**.26**
	S. W. Barrick & Sons, Inc., Woodsboro, Md.										
4004	†Barrick's Hydrated Lime	Ridgely	60.00	**61.95**	2.00	**2.49**	62.00	**64.44**	3.00	.....	**6.59**
4001	†Barrick's Hydrated Lime	Snow Hill	60.00	**62.60**	2.00	**2.41**	62.00	**65.01**	3.00	.....	**4.92**
3999-N	†Barrick's Hydrated Lime	Woodsboro	60.00	**65.05**	2.00	**3.94**	62.00	**68.99**	3.00	.....	**3.48**
	Chester Valley Lime Co., Paoli, Pa.										
4006	‡†Chester Valley Hydrate	Salisbury	46.50	**47.15**	31.00	**32.28**	77.50	**79.43**	.....	.....	**1.89**
	G. & W. H. Corson, Plymouth Meeting, Pa.										
4050	†Corson's High Magnesium Hydrate	Vienna	46.50	**47.45**	31.00	**33.48**	77.50	**80.93**	1.00	.....	**.83**
4017	†Corson's High Magnesium Hydrate	Pocomoke City	46.50	**48.20**	31.00	**32.45**	77.50	**80.65**	1.00	.....	**.27**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
4053	†Famous Frederick County Hydrated Lime	Chestertown	65.00	**61.45**	5.00	**8.67**	70.00	**70.12**	.....	.....	**3.18**
4037	†Famous Frederick County Hydrated Lime	Lime Kiln	65.00	**64.10**	5.00	**6.67**	70.00	**70.77**	.....	.....	**3.68**
4023	†Famous Frederick County Hydrated Lime	Silver Spring	65.00	**74.00**	5.00	**1.17**	70.00	**75.17**	.....	.....	**.15**
	Keller Lime Co., Inc., Buckeystown, Md.										
4039	†Keller's Hydrate	Buckeystown	66.00	**67.30**	1.50	**3.06**	67.50	**70.36**	.....	.....	**2.70**
	Legore Lime Co., Legore, Md.										
4043	†Legore's Hydrated Lime	LeGore	65.00	**65.00**	5.00	**5.29**	70.00	**70.29**	3.00	.....	**3.25**
	Maryland Tobacco Growers Assoc., Baltimore, Md.										
*4003	‡†Md. Assoc. Brand Agric. Hydrated Lime	Huntingtown	46.50	**45.10**	31.00	**30.33**	77.50	**75.43**	2.50	.....	**.76**
	H. E. Millard, Annville, Pa.										
4018	†Sweet-Arrow Hydrated Lime	Chestertown									

	Baltimore, Md.									
*4003	‡†Md. Assoc. Brand Agric. Hydrated Lime	Huntingtown	46.50	**45.10**	31.00	**30.33**	77.50	**75.43**	2.50	**.76**
	H. E. Millard, Annville, Pa.									
4018	†Sweet-Arrow Hydrated Lime	Chestertown	70.00	**73.05**	1.00	**1.66**	71.00	**74.71**	1.50	**.74**
	National Gypsum Co., Buffalo, N. Y.									
4073	†Gold Bond Hydrated Lime	Westminster	71.00	**72.10**	1.00	**2.73**	72.00	**74.83**		**.24**
4058	†Gold Bond Hydrated Lime	Princess Anne	71.00	**70.70**	1.00	**3.76**	72.00	**74.46**		**.37**
4082	†Palmer Hydrated Lime	Cardiff	70.00	**70.65**	2.00	**1.87**	72.00	**72.52**		**.40**
4031	†Palmer Hydrated Lime	Westminster	70.00	**71.70**	2.00	**2.00**	72.00	**73.70**		**.21**
	North American Cement Corp., New York, N.Y.									
4068	†Berkeley Agric. Hydrate	Hancock	70.00	**70.80**	2.00	**1.95**	72.00	**72.75**		**.39**
4057	†Berkeley Agric. Hydrate	Princess Anne	70.00	**71.00**	2.00	**1.97**	72.00	**72.97**		**.24**
	Powhatan Lime Co., Strasburg Junction, Va.									
4064	‡†Powhatan Farmers Friend Agric. Hydrated Lime	Cumberland	65.00	**62.90**	1.50	**2.39**	66.50	**65.29**		**4.04**
4063	†Powhatan Hydrated Agric. Lime	Lonaconing	71.00	**71.45**	1.50	**1.77**	72.50	**73.22**		**.37**
	Shank & Etzler Lime Co., Frederick, Md.									
4045	†Agric. Hydrated Lime	Frederick	45.00	**47.55**	20.00	**28.67**	65.00	**76.22**	1.00	**4.60**
	The Standard Lime & Stone Co., Baltimore, Md.									
4071	†Standard Agric. Hydrated Lime	Friendsville	71.00	**72.75**	1.00	**1.35**	72.00	**74.10**	2.50	**.81**
4047	†Standard Agric. Hydrated Lime	Dickerson	71.00	**72.70**	1.00	**1.63**	72.00	**74.33**	2.50	**.73**
4007	†Washington Agric. Hydrated Lime	Salisbury	46.50	**45.45**	31.00	**31.69**	77.50	**77.14**	2.50	**.57**
	Steacy & Wilton Co., Wrightsville, Pa.									
4033	†"Sterling" Brand Hydrated Lime	Glyndon	69.00	**67.30**	3.00	**7.19**	72.00	**74.49**	1.00	**.72**
4009	†"Sterling" Brand Hydrated Lime	Denton	69.00	**69.50**	3.00	**4.86**	72.00	**74.36**	1.00	**.84**
	Stoner & Powell, Woodsboro, Md.									
4049	†Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	60.00	**59.30**	2.00	**4.75**	62.00	**64.05**		**6.86**
	Thomasville Stone & Lime Co., Thomasville, Pa.									
4086	†Thomasville Hydrated Lime	Bel Air	70.00	**71.90**	2.00	**2.98**	72.00	**74.88**	97.87	**.51**
4076	†Thomasville Hydrated Lime	Westminster	70.00	**72.10**	2.00	**2.73**	72.00	**74.83**	97.87	**.31**
	Warner Co., Philadelphia, Pa.									
4014	†Knickerbocker Hydrated Lime	Cambridge	46.50	**47.25**	31.00	**32.85**	77.50	**80.10**	3.00	**.85**
4013	†Warner "Limoid"	Ridgely	46.50	**48.40**	31.00	**33.91**	77.50	**82.31**	3.00	**.64**

* Product deficient in total oxides. † Mechanical analysis of Hydrated Lime, see page 134. ‡ Sampled before registration.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL & OYSTER SHELLS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	Alba Marl Lime Co., Charles Town, W. Va.								
4052	xLi-Ma	Centreville	50.00	**52.15**	.50	**0.00**	50.50	**52.15**	**4.03**
	Herbert Bryant Inc., Alexandria, Va.								
4019	†Pulverized Oyster Shell	Washington Grove	45.00	**49.70**	.50	**.71**	45.50	**50.41**	**6.94**
	Harry T. Campbell Sons' Co., Towson, Md.								
4080	†Campbell's H. T. C. Special	Texas	54.00	**54.50**	1.00	**.71**	55.00	**55.21**	**1.31**
4081	†Campbell's Pulverized Limestone	Texas	30.00	**26.30**	14.00	**19.72**	44.00	**46.02**	**11.04**
	G. & W. H. Corson, Plymouth Meeting Pa.								
4051	†Corson's Dolomitic Pulverized Limestone	Greensboro	29.14	**30.10**	20.08	**21.65**	49.22	**51.75**	**2.86**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
4038	†Pulverized Limestone	Frederick	53.00	**54.20**	1.00	**1.38**	54.00	**55.58**	**1.29**
	Landis Stone Meal Co., Inc., Rheems, Pa.								
4054	†White Lily Ground Limestone	Cambridge	50.00	**47.75**	2.00	**4.50**	52.00	**52.25**	**7.99**
	LeGore Lime Co., Legore, Md.								
4042	†LeGore's Agric. Limestone	LeGore	50.00	**50.40**	5.00	**4.75**	55.00	**55.15**	**10.91**
	H. E. Millard, Annville, Pa.								
4055‡	†Air Floated Pulverized Limestone	Chestertown	54.40	**53.85**	.48	**1.12**	54.88	**54.97**	**1.85**
	National Gypsum Co., Buffalo, N. Y.								
4083	†Challenge Brand Pulverized Limestone Flour	Cardiff	51.00	**51.15**	3.00	**3.92**	54.00	**55.07**	**.75**
4032	†Challenge Brand Pulverized Limestone Flour	Westminster	51.00	**54.20**	3.00	**1.57**	54.00	**55.77**	**.51**
	New Enterprise Stone & Lime Co., New Enterprise, Pa.								

	New Enterprise Stone & Lime Co., New Enterprise, Pa.								
4067	†Fort Bedford Pulverized Limestone	Cumberland	50.00	**50.10**	2.00	**1.64**	52.00	**51.74**	**7.29**
	Potomac Poultry Food Co., Inc., Baltimore, Md.								
*4016	†Potolime Made For The Soil From Baked Oyster Shells	Crisfield	48.00	**45.75**	.50	**.83**	48.50	**46.58**	**13.12**
*4000	†Potolime Made For The Soil From Baked Oyster Shells	Reisterstown	48.00	**46.15**	.50	**.87**	48.50	**47.02**	**10.64**
	Spencer Lime Co., Accident, Md.								
4065	†Raw Pulverized Limestone	Accident	40.25	**44.75**	1.11	**1.01**	41.36	**45.76**	**15.40**
	The Standard Lime & Stone Co., Baltimore, Md.								
4084	†Standard Pulverized Limestone	Riderwood	53.20	**54.20**	.50	**.84**	53.70	**55.04**	**.76**
4030	†Standard Pulverized Limestone	Washington Grove	53.20	**55.00**	.50	**.71**	53.70	**55.71**	**.65**
	Steacy & Wilton Co., Wrightsville, Pa.								
4008	†Pulverized Limestone	Denton	48.00	**49.55**	1.00	**5.66**	49.00	**55.21**	**1.91**
	Thomasville Stone & Lime Co., Thomasville, Pa.								
4075	†Thomasville Pulverized Limestone	Westminster	53.20	**54.50**	1.90	**1.26**	55.10	**55.76**	**.47**
4087	†Thomasville Pulverized Limestone	Fallston	53.20	**54.30**	1.90	**1.75**	55.10	**56.05**	**.37**
	W. H. Valliant & Bro., Bellevue, Md.								
4056	†Ground Oyster Shell	Bellevue	46.00	**46.75**	0.00	**.93**	46.00	**47.68**	**12.36**
	Warner Co., Philadelphia, Pa.								
4012	†Warner Pulverized Limestone	Ridgely	30.00	**30.85**	20.00	**21.96**	50.00	**52.81**	**1.32**
	West Virginia Lime Co., Roanoke, Va.								
4034	†"West Virginia Precipitated"	Reisterstown	50.00	**49.55**	.50	**.79**	50.50	**50.34**	**7.01**

x Sampled before registration.
* Product deficient in total oxides.
† Mechanical analysis of Ground Burnt Lime, see page 134.
‡ Guarantee on sack differs from license.

ANALYSES OF GYPSUM OF LAND PLASTER

No.	Manufacturer and Brand	Place Sampled	Calcium Sulphate		Sand & Insoluble	
			Guaranteed	FOUND	Guaranteed	FOUND
	The American Agricultural Chemical Co., Baltimore, Md.					
*4015	AA. Fine Ground Nova Scotia Land Plaster	Baltimore	77.70	**70.74**	.....	**2.88**
*4002	AA. Fine Ground Nova Scotia Land Plaster	Waldorf	77.70	**74.56**	.....	**2.70**
	The Baugh & Sons Co., Baltimore, Md.					
4059	Pure Ground Land Plaster	Baltimore	62.00	**76.22**	.....	**1.57**

* Deficient in calcium sulphate.

MISCELLANEOUS LIMING PRODUCTS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
*4079	**The Bertha Mineral Co., Austinville, Va.** †Austinville Agric. Limestone	Bel Air	28.02	**25.40**	19.19	**18.36**	47.21	**43.76**	.....	**A3.41**	**2.34**
4066	**Keystone Lime Co., Springs, Pa.** †Alfalfa Brand Lime	.....	70.00	**74.60**	3.00	**3.73**	73.00	**78.33**	.....	**6.52**	**8.00**
4078	**The Shore Lime Co., Crumpton, Md.** Agric. Liming Material	Elkton	34.00	**63.00**	.....	.....	.....	.....	.....	.....	**.33**

* Product deficient in total oxides.
† Mechanical analysis of Ground Burnt Lime, see page 134.
A Moisture.

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	American Lime & Stone Co., Bellefonte, Pa.							
4088	Bell-Mine Hydrate	Elkton	100.	**100.**	99.95	**100.**	99.95	**100.**
	J. E. Baker Co., York, Pa.							
4005	Susquehanna Hydrate	Queen Anne	100.	**100.**	100.	**100.**	99.95	**100.**
	S. W. Barrick & Sons, Inc., Woodsboro, Md.							
4004	Barrick's Hydrated Lime	Ridgely	100.	**97.**	92.	**88.**	89.	**83.**
4001	Barrick's Hydrated Lime	Snow Hill	100.	**99.**	92.	**93.**	89.	**89.**
3999-N	Barrick's Hydrated Lime	Woodsboro	100.	**99.**	92.	**94.**	89.	**92.**
	The Bertha Mineral Co., Austinville, Va.							
4079	Austinville Agric. Limestone		100.	**100.**	88.	**83.**	60.	**52.**
	Herbert Bryant, Inc., Alexndria, Va.							
4019	Pulverized Oyster Shell	Wash. Grove	90.	**70.**	68.	**29.**	34.	**20.**
	Harry T. Campbell Sons' Co., Towson, Md.							
4080	Campbell's H. T. C. Special	Texas	100.	**100.**	95.	**98.**	75.	**83.**
4081	Campbell's Pulverized Limestone	Texas	100.	**100.**	95.	**100.**	75.	**91.**
	The Cavetown Planing Mill Co., Cavetown, Md.							
4021	Ground Lime	Cavetown	56.	**66.**	42.	**47.**	39.	**41.**
	Chester Valley Lime Co., Paoli, Pa.							
4006	Chester Valley Hydrated Lime	Salisbury	100.	**99.**	100.	**95.**	96.	**91.**

	G. & W. H. Corson, Plymouth Meeting, Pa.							
4050	Corson's High Magnesium Hydrate	Vienna	99.	**94.**	97.	**84.**	95.	**79.**
4017	Corson's High Magnesium Hydrate	Pocomoke City	99.	**100.**	97.	**100.**	95.	**99.**
4051	Corson's Dolomitic Limestone	Greensboro	99.	**100.**	97.	**100.**	96.	**99.**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.							
4036	Famous Frederick County Ground Lime	Lime Kiln	50.	**80.**	35.	**60.**	25.	**53.**
4053	Famous Frederick County Hydrated Lime	Chestertown	100.	**100.**	99.	**96.**	90.	**91.**
4037	Famous Frederick County Hydrated Lime	Lime Kiln	100.	**100.**	99.	**97.**	90.	**93.**
4023	Famous Frederick County Hydrated Lime	Silver Spring	100.	**100.**	99.	**100.**	90.	**100.**
4038	Pulverized Limestone	Frederick	100.	**100.**	98.	**98.**	94.	**92.**
	Keller Lime Co., Inc., Buckeystown, Md.							
4039	Keller's Hydrate	Buckeystown	.....	**100.**	.....	**100.**	.....	**98.**
	Keystone Lime Co., Springs, Pa.							
4066	Alfalfa Brand Lime	.....	.....	**29.**	.....	**13.**	.....	**11.**
	Landis Stone Meal Co., Inc., Rheems, Pa.							
4054	White Lily Ground Limestone	Cambridge	100.	**100.**	99.	**99.**	96.	**94.**
	LeGore Lime Co., LeGore, Md.							
4041	LeGore's Ground Burnt Lime	LeGore	60.	**74.**	45.	**59.**	45.	**53.**
4043	LeGore's Hydrated Lime	LeGore	100.	**100.**	98.	**98.**	97.	**95.**
4042	LeGore's Agric. Limestone	LeGore	100.	**100.**	100.	**97.**	97.	**86.**
	Maryland Tobacco Growers Association, Baltimore, Md.							
4003	Md. Assoc. Brand Agric. Hydrated Lime	Huntingtown	99.90	**100.**	98.	**92.**	95.	**81.**
	H. E. Millard, Annville, Pa.							
4018	Sweet-Arrow Hydrated Lime	Chestertown	100.	**100.**	99.25	**100.**	99.	**100.**
4055	Air Floated Pulverized Limestone	Chestertown	100.	**100.**	100.	**97.**	99.	**95.**
	National Gypsum Co., Buffalo, N. Y.							
4073	Gold Bond Hydrated Lime	Westminster	100.	**100.**	98.	**100.**	97.	**100.**
4058	Gold Bond Hydrated Lime	Princess Anne	100.	**100.**	98.	**100.**	97.	**99.**
4082	Palmer Hydrated Lime	Cardiff	100.	**100.**	98.	**100.**	97.	**99.**
4031	Palmer Hydrated Lime	Westminster	100.	**100.**	98.	**100.**	97.	**99.**
4083	Challenge Brand Pulverized Limestone Flour	Cardiff	100.	**100.**	100.	**100.**	99.	**100.**
4032	Challenge Brand Pulverized Limestone Flour	Westminster	100.	**100.**	100.	**100.**	99.	**100.**

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME—(Continued)

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	New Enterprise Stone & Lime Co., New Enterprise, Pa.							
4067	Fort Bedford Pulverized Limestone	Cumberland	100.	**100.**	.....	**85.**	80.	**74.**
	North American Cement Corp., New York, N. Y.							
4068	Berkeley Agric. Hydrate	Hancock	100.	**100.**	99.	**100.**	98.90	**100.**
4057	Berkeley Agric. Hydrate	Princess Anne	100.	**100.**	99.	**100.**	98.90	**99.**
	Potomac Poultry Food Co., Inc., Baltimore, Md.							
4016	Potolime Made For The Soil From Baked Oyster Shells	Crisfield	96.	**99.**	52.	**49.**	44.	**32.**
400	Potolime Made For The Soil From Baked Oyster Shells	Reisterstown	96.	**99.**	52.	**49.**	44.	**32.**
	Powhatan Lime Co., Strasburg Junction, Va.							
4064	Powhatan Farmers Friend Agric. Hydrated Lime	Cumberland	100.	**99.**	99.	**90.**	.....	**86.**
4063	Powhatan Hydrated Agric. Lime	Lonaconing	100.	**100.**	100.	**100.**	96.	**99.**
	Edward Savage, Friendsville, Md.							
4060	Ground Burned Lime	Friendsville	.....	**54.**	.....	**43.**	.....	**40.**
	Stanley Schetrom, Clear Spring, Md.							
4069	Ground Lime	Clear Spring	.....	**37.**	.....	**26.**	.....	**24.**
	Shank & Etzler Lime Co., Frederick, Md.							
4046	Agric. Ground Burned Lime	Frederick	40.	**71.**	30.	**47.**	20.	**38.**
4045	Agric. Hydrated Lime	Frederick	80.	**95.**	60.	**84.**	55.	**76.**
	Shinham Lime & Fertilizer Co., Harper's Ferry, W. Va.							
4029	Ground Burned Lime							

	Shinham Lime & Fertilizer Co., Harper's Ferry, W. Va.							
4029	Ground Burned Lime	Dargan		**63.**		**44.**		**38.**
	Spencer Lime Co., Accident, Md.							
4065	Raw Pulverized Limestone	Accident	80.	**79.**	50.	**46.**	40.	**37.**
	Ross Spickler, Hagerstown, Md.							
4070	Ground Burned Lime	Cearfoss		**69.**		**41.**		38.
	The Standard Lime & Stone Co., Baltimore, Md.							
4071	Standard Agric. Hydrated Lime	Friendsville	100.	**100.**	99.50	**100.**	95.	**100.**
4047	Standard Agric. Hydrated Lime	Dickerson	100.	**100.**	99.50	**100.**	95.	**100.**
4007	Washington Agric. Hydrated Lime	Salisbury	99.90	**100.**	98.	**100.**	95.	**98.**
4084	Standard Pulverized Limestone	Riderwood	100.	**100.**	99.90	**100.**	99.75	**99.**
4030	Standard Pulverized Limestone	Wash. Grove	100.	**100.**	99.90	**100.**	99.75	**100.**
	Steacy & Wilton Co., Wrightsville, Pa.							
4011	"Sterling" Brand Pulv. Fresh Burned Lime	Denton	71.	**72.**	46.	**56.**	39.	**52.**
4033	"Sterling" Brand Hydrated Lime	Glyndon	100.	**100.**	99.25	**100.**	99.	**100.**
4009	"Sterling" Brand Hydrated Lime	Denton	100.	**100.**	99.25	**100.**	99.	**98.**
4008	Pulverized Limestone	Denton	100.	**100.**	100.	**100.**	100.	**100.**
	Stoner & Powell, Woodsboro, Md.							
4049	Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	97.	**94.**	89.	**84.**	82.	**79.**
	Thomasville Stone & Lime Co., Thomasville, Pa.							
4085	Thomasville Pulverized Quicklime	Bel Air	90.	**84.**	66.	**61.**	50.	**54.**
4086	Thomasville Hydrated Lime	Bel Air	100.	**100.**	98.	**99.**	97.	**98.**
4076	Thomasville Hydrated Lime	Westminster	100.	**100.**	98.	**99.**	97.	**98.**
4075	Thomasville Pulverized Limestone	Westminster	100.	**100.**	99.50	**100.**	99.	**99.**
4087	Thomasville Pulverized Limestone	Fallston	100.	**100.**	99.50	**100.**	99.	**99.**
	W. H. Valliant & Bro., Bellevue, Md.							
4056	Ground Oyster Shell	Bellevue	84.	**88.**	32.	**38.**	18.	**24.**
	Warner Co., Philadelphia, Pa.							
4014	Knickerbocker Hydrated Lime	Cambridge	100.	**100.**	97.	**100.**	95.	**99.**
4013	Warner "Limoid"	Ridgely	100.	**100.**	97.	**100.**	95.	**99.**
4012	Warner Pulverized Limestone	Ridgely	100.	**100.**	100.	**100.**	99.50	**100.**
	West Virginia Lime Co., Roanoke, Va.							
4034	"West Virginia Precipitated"	Reisterstown	90.	**91.**	70.	**65.**	60.	**56.**